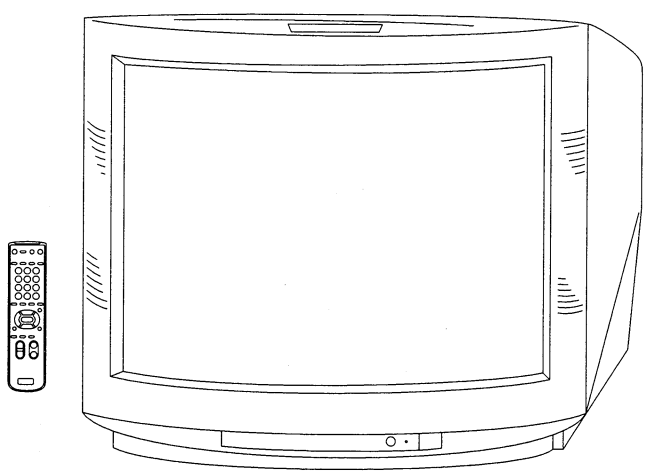
SERVICE MANUAL

BG-1L CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-E29MF1	RM-871	E	SCC-K60CA
KV-E29MF1	RM-871	ME	SCC-K57BA
KV-E29MF1S	RM-871	E	SCC-K60BA
KV-E29MF1S	RM-871	EM	SCC-K58BA
KV-E29MH1	RM-871	HK	SCC-K56AA
KV-E29MH11	RM-871	E	SCC-K60AA
KV-E29MH11	RM-871	ME	SCC-K57AA
KV-E29MN11	RM-871	EM	SCC-K58AA
KV-E29MN11	RM-871	GE	SCC-K52AA



MICROFILM

TRINITRON® COLOR TV

SONY®

SPECIFICATIONS

	KV-E29MF1, KV-E29MF1S, E29MH1, KV-E29MH11, E29MN11	Note
Power requirements	110-240 V AC, 50/60 Hz	
Power consumption (W)	Indicated on the rear of TV	
Television system	B/G, I, D/K, M	
Color system	PAL, PAL 60, SECAM, NTSC4.43, NTSC3.58	
Stereo system	NICAM Stereo B/G, I; A2 Stereo (German) B/G	KV-E29MH1/E29MH11 KV-E29MN11
Teletext language	English, German, Swedish, Italian, French, Spanish	KV-E29MH11/E29MN11
Channel coverage		
B/G	VHF: E2 to E12 / UHF: E21 to E69 / CATV: S01 to S03, S1 to S41	
I	UHF: B21 to B68 / CATV: S01 to S03, S1 to S41	
D/K	VHF: C1 to C12, R1 to R12 / UHF: C13 to C57, R21 to R60 CATV: Z1 to Z39, S01 to S03, S1 to S41	
M	VHF: A2 to A13 / UHF: A14 to A79 / CATV: A-8 to A-2, A to W+4, W+6 to W+84	
Antenna	75-ohm external antenna terminal for VHF/UHF	
Audio output (speaker)	15W × 2	
Number of terminal		
Video	Input: 4 Output:1	Phono jacks; 1 V_{P-P}, 75 ohms
Audio	Input: 4 Output: 1	Phono jacks; 500 mVrms
S1-Video	Input: 2	Y : 1 Vp-p, 75 ohms, unbalanced, sync negative C : 0.286 Vp-p, 75 ohms
Picture tube	29 inch (Super Trinitron Plus)	
Tube size (cm)	72	Measured diagonally
Screen size (cm)	68	Measured diagonally
Dimension (w/h/d, mm)	706 × 577 × 525	
Mass (kg)	48.5	
Accessories		
Supplied	Remote commander (1) Size R6 (AA) battery (2)	
Optional	TV stand SU-E29G	

Design and specifications are subject to change without notice.

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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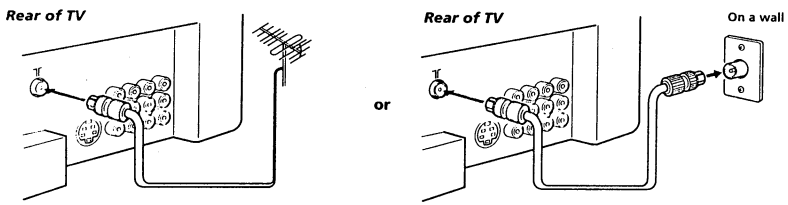
Connections

Connecting a VHF antenna or a combination VHF/UHF antenna — 75-ohm coaxial cable (round)

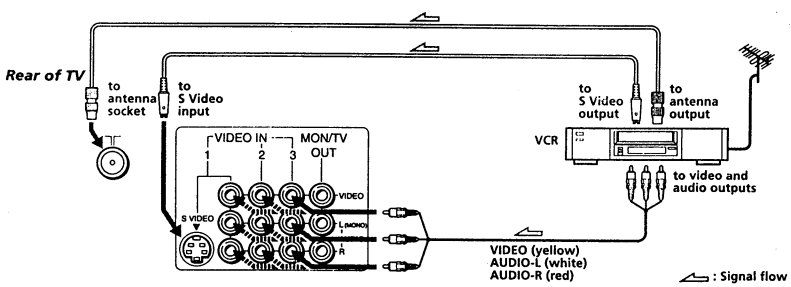
Attach an optional IEC antenna connector to the 75-ohm coaxial cable.
Plug the connector into the ╥ (antenna) socket at the rear of the TV.



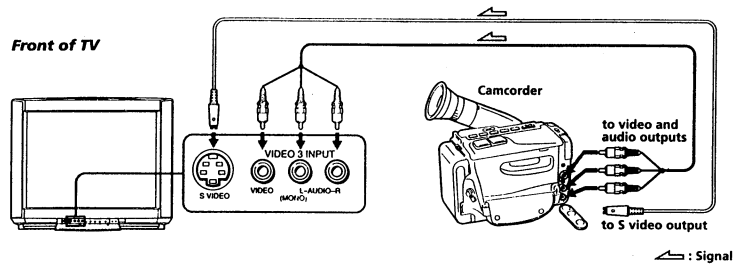
Connecting optional equipment

You can connect optional audio/video equipment to your TV such as a VCR, multi disc player, camcorder, video game or stereo system.

Connecting video equipment using video input jacks



The operating instructions mentioned here are partial abstracts from the Operating Instructions Manual. The page numbers of the Operating Instruction Manual remain as in this manual.



When connecting a monaural VCR
Connect the yellow plug to VIDEO and the black plug to AUDIO-L (MONO).

When connecting video game equipment
Connect video game equipment to the VIDEO 3 INPUT jacks at the front of your TV or the VIDEO IN 3 jacks at the rear of your TV.

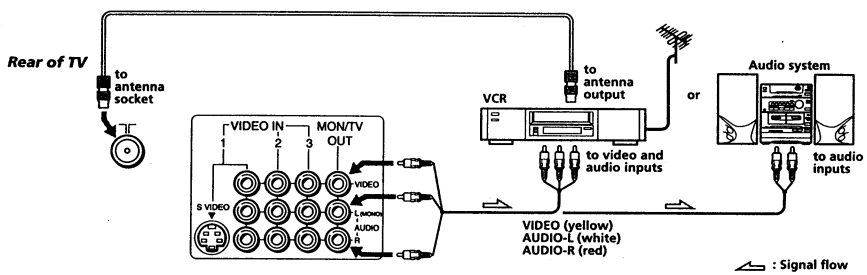
When connecting a VCR to the ╥ (antenna) terminal
Preset the signal output from the VCR to the program position 0.

When connecting video equipment to the VIDEO 3 INPUT jacks or the VIDEO IN 3 jacks
Do not connect video equipment to the VIDEO 3 INPUT jacks at the front and the VIDEO IN 3 jacks at the rear of your TV simultaneously; otherwise the picture will not be displayed properly on the screen.

If both S Video and video signals are input simultaneously
The S Video input signal is selected. To view a video input signal, disconnect the S Video connection.

Note on the video input
When no signal is input, the screen becomes blue.

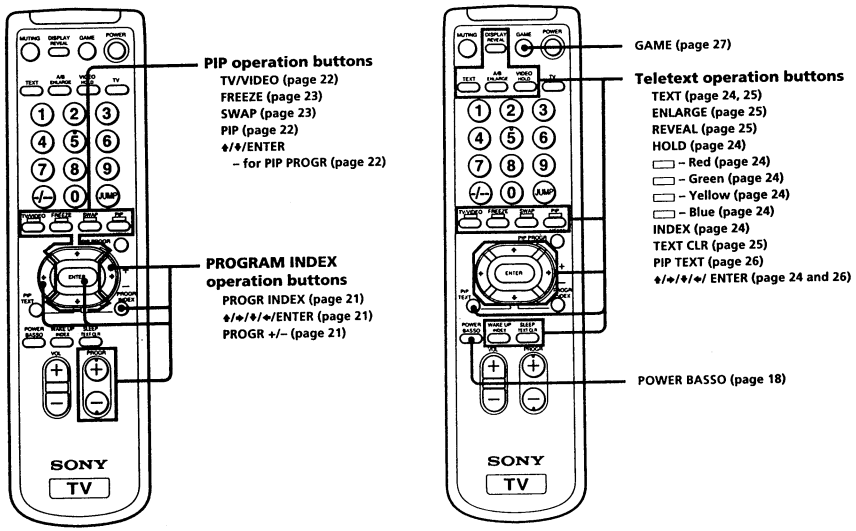
Connecting audio/video equipment using MON/TV OUT jacks



Getting to know the remote commander

Names of buttons on the remote commander are indicated in different colors to represent the available functions.

Label color	Button function
White	For general TV operations.
Green	For Teletext operations.
Yellow	For PIP and PROGRAM INDEX operations.

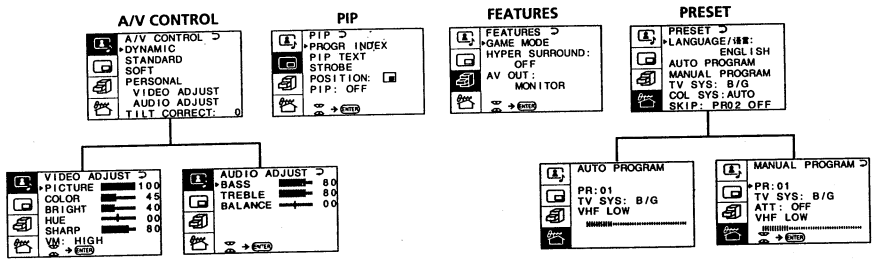


Notes

- The Teletext operation buttons are used for KV-E29MH11 and KV-E29MN11 only.
- The A/B button is used for KV-E29MH1, KV-E29MH11 and KV-E29MN11 only.

Introducing the menus

You can preset TV channels, adjust the picture and sound qualities, and select some settings using the on-screen menus. You can use the buttons on both the remote commander and the TV to operate the menus.



Getting back to the previous menu (except for AUTO PROGRAM)

Press ♦ or ♦ to move the cursor (▶) to the first line (⮌) of each menu, and press ENTER.

Cancelling the menu screen

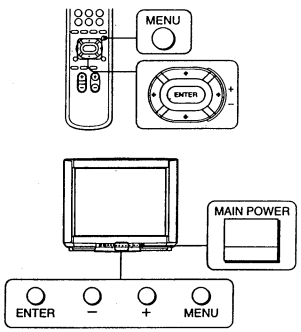
Press MENU.

Notes (except for AUTO PROGRAM)

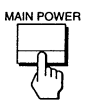
- When a menu is selected after pressing ENTER, the color of both the menu and the menu symbol change and the cursor (▶) appears beside the first item of the menu.
- When an item on the menu is selected after pressing ENTER, the color of the item changes.
- You can refer to the guide (♦♦ → ENTER) at the bottom of the menus (except for the A/V CONTROL and PRESET menus) for the basic operations of the menu.
- If more than approximately 60 seconds elapse after you press a button, the menu screen disappears automatically.

Changing the menu language

If you prefer Chinese to English, you can change the menu language. You can use buttons on both the remote commander and the TV.

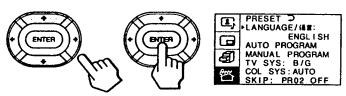


1 Press MAIN POWER to turn on the TV.



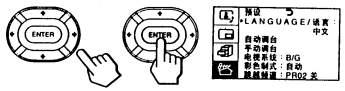
2 Press MENU.

3 Press ↑ or ↓ to move the cursor (▶) to the PRESET menu (), and press ENTER.



4 Make sure the cursor (▶) appears beside LANGUAGE/语言, and press ENTER.

5 Press ↑/→/↓/← to select中文, and press ENTER.



All of the menus change to Chinese.

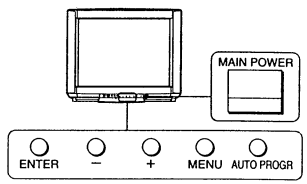
6 Press MENU to return to the normal screen.

Presetting channels

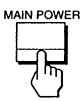
You can preset TV channels easily by storing all the receivable channels automatically. You can also preset channels manually or disable program positions (see page 12).

Presetting channels automatically

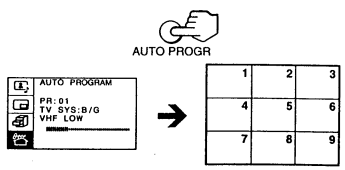
You can preset up to 100 TV channels in numerical sequence from the program position 1. You can preset channels automatically using the button on the TV or the menu.



1 Press MAIN POWER to turn on the TV.

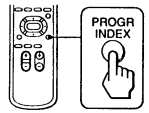


2 Press AUTO PROGR.



The TV starts scanning and presetting channels automatically. When all of the receivable channels are stored, the AUTO PROGRAM menu disappears and the first nine preset TV programs appear on the nine sub screens.

3 Press PROGR INDEX to return to the normal screen.



To preset channels automatically using the menu

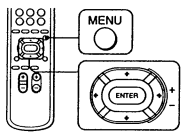
1 Press MENU.

2 Press ↑ or ↓ to move the cursor (▶) to the PRESET menu (), and press ENTER.

3 Press ↑ or ↓ to move the cursor (▶) to AUTO PROGRAM, and press ENTER.

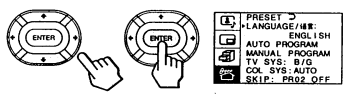
Presetting channels manually

To change the program position for a channel or to receive a channel with a weak signal which you cannot receive by automatic presetting, preset the channel manually.



1 Press MENU.

2 Press ↑ or ↓ to move the cursor (▶) to the PRESET menu ( ), and press ENTER.

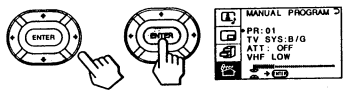


3 Select your local TV system.

(1) Press ↑ or ↓ to move the cursor (▶) to TV SYS, and press ENTER.

(2) Press ↑/→/↓/← until your local TV system appears on the menu, and press ENTER.

4 Press ↑ or ↓ to move the cursor (▶) to MANUAL PROGRAM, and press ENTER.



5 Select the program position to which you want to preset a channel.

(1) Make sure the cursor (▶) appears beside PR, and press ENTER.
(2) Press ↑/→/↓/← until the program position you want appears on the menu, and press ENTER.

6 Select the desired channel.

(1) Press ↑ or ↓ to move the cursor (▶) to VHF LOW, and press ENTER.
(2) Press ↑/→/↓/← until the desired channel picture appears on the TV screen, and press ENTER.

7 Press MENU to return to the normal screen.

If the TV signal is too strong

The picture may be distorted. You can reduce the picture distortion as described below.

1 Display the PRESET menu.
2 Press ↑ or ↓ to move the cursor (▶) to MANUAL PROGRAM, and press ENTER.
3 Press ↑ or ↓ to move the cursor (▶) to ATT, and press ENTER.
4 Press ↑/→/↓/← to select ON, and press ENTER.

If the TV system is not properly selected

The picture color may be poor and/or the sound may be noisy. In this case, select the appropriate TV system.

1 Press PROGR +/– or the number buttons to select the program position.
2 Display the PRESET menu.
3 Press ↑ or ↓ to move the cursor (▶) to TV SYS, and press ENTER.
4 Press ↑/→/↓/← until the appropriate TV system appears, and press ENTER.

Notes

- The TV system and the ATT (attenuator) settings are memorized for each program position.
- If you do not know your local TV system, consult your nearest Sony dealer or authorized service center.

Disabling program positions

By disabling unused or unwanted program positions, you can skip those positions when you press PROGR +/–.

1 Press MENU.

2 Press ↑ or ↓ to move the cursor (▶) to the PRESET menu ( ), and press ENTER.

3 Press ↑ or ↓ to move the cursor (▶) to SKIP, and press ENTER.

4 Press ↑ or ↓ until the unused or unwanted program position appears on the menu, and press ENTER.

5 Press ↑/→/↓/← to select ON, and press ENTER.

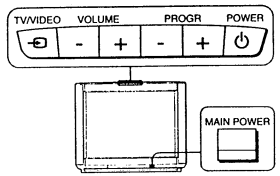
6 To disable other program positions, repeat steps 4 and 5.

7 Press MENU to return to the normal screen.

To cancel the skip setting

1 Display the PRESET menu.
2 Press ↑ or ↓ to move the cursor (▶) to SKIP, and press ENTER.
3 Press ↑ or ↓ until the program position you want to cancel the skip setting appears, and press ENTER.
4 Press ↑/→/↓/← to select OFF, and press ENTER.

Watching the TV

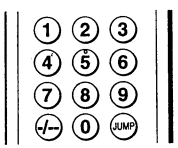


1 Press MAIN POWER to turn on the TV.

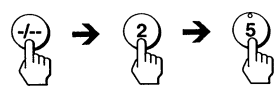
When the TV is turned on in the standby mode, the POWER indicator on the TV lights up. To turn on the TV completely, press POWER on the remote commander or the TV. When the TV is turned on completely, the PROGR +/–, VOLUME +/–, and TV/VIDEO indicators on the TV light up.

2 Select the TV program you want to watch.

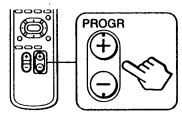
To select a program position directly
Press the number button.



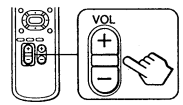
To select a two-digit program position, press "-/--" before the number buttons.
For example: to select program position 25, press "-/--," then "2" and "5."



To scan through program positions
Press PROGR +/– on the remote commander or the TV until the program position you want appears.

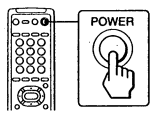


3 Press VOL +/– on the remote commander or VOLUME +/– on the TV to adjust the volume.

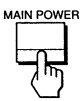


Turning off the TV

To turn off the TV temporarily
Press POWER on the remote commander or the TV. The STANDBY indicator lights up.

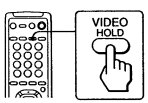


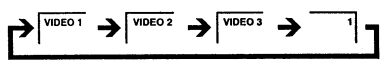
To turn off the TV completely
Press MAIN POWER on the TV.



Watching the video input

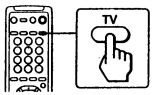
Press VIDEO/HOLD on the remote commander or TV/VIDEO on the TV.





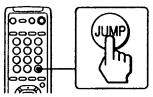
To watch TV

Press TV on the remote commander or TV/VIDEO on the TV.



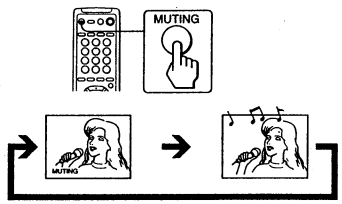
Switching back quickly to the previous channel

Press JUMP.



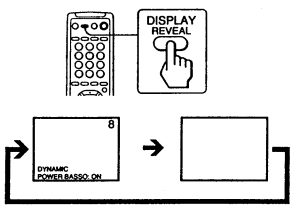
Muting the sound

Press MUTING.



Displaying the on-screen information

Press DISPLAY/REVEAL.



Note

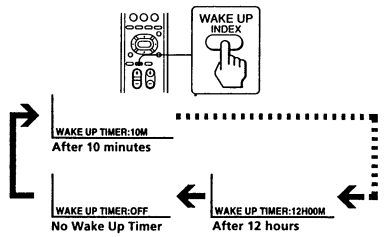
- The on-screen display shows the program position or the video mode, the picture and sound information. The on-screen display for the picture and sound information disappear after being displayed for approximately three seconds.

Setting the Wake Up Timer

You can set the TV to turn on automatically after the period of time you want.

1 Press WAKE UP/INDEX repeatedly to set the timer.

The on-screen display appears and the WAKE UP indicator lights up in amber color.



2 If you want a particular TV program or video mode to be displayed using the Wake Up Timer, select the TV program or video mode.

3 Press POWER on the remote commander or set the Sleep Timer to turn off the TV in the standby mode.

To cancel the Wake Up Timer, press WAKE UP/INDEX repeatedly until "WAKE UP TIMER: OFF" appears, or turn off the main power of the TV.

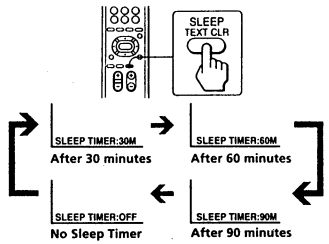
Notes

- The Wake Up Timer starts immediately after the on-screen display disappears.
- The last TV program position or video mode just before the TV turns into the standby mode will appear when the TV is turned on using the Wake Up Timer.
- If no buttons or controls are pressed for more than two hours after the TV is turned on using the Wake Up Timer, the TV automatically turns into the standby mode. If you want to continue watching the TV, press any button or control on the TV or remote commander.

Setting the Sleep Timer

You can set the TV to turn off automatically after the period of time you want.

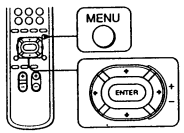
Press SLEEP.



To cancel the Sleep Timer, press SLEEP repeatedly until "SLEEP TIMER: OFF" appears, or turn the TV off.

Adjusting the picture and sound

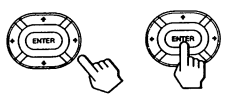
Selecting the picture and sound modes



1 Press MENU.

2 Make sure the cursor (▶) appears in the A/V CONTROL menu (), and press ENTER.

3 Press ↑ or ↓ to move the cursor (▶) to DYNAMIC, STANDARD, or SOFT, and press ENTER.



Select	To
DYNAMIC	Receive high contrast picture with powerful sound.
STANDARD	Receive normal contrast picture with medium listening sound.
SOFT	Receive mild picture with soft sound.
PERSONAL	Receive the last picture and sound settings that are adjusted using VIDEO ADJUST and AUDIO ADJUST.

4 Press MENU to return to the normal screen.

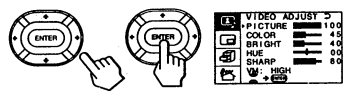
Adjusting the picture settings (VIDEO ADJUST)

You can adjust the picture settings to suit your taste with the VIDEO ADJUST option. The adjusted settings are stored in the PERSONAL option.

1 Press MENU.

2 Make sure the cursor (▶) appears in the A/V CONTROL menu (), and press ENTER.

3 Press ↑ or ↓ to move the cursor (▶) to VIDEO ADJUST, and press ENTER.



4 Press ↑ or ↓ to move the cursor (▶) to the item you want to adjust, and press ENTER.

5 Press ↑/→/↓/← to adjust the selected item, and press ENTER.

For details on each item, see "Description of adjustable items" below.

6 To adjust other items, repeat steps 4 and 5.

7 Press MENU to return to the normal screen.

Description of adjustable items

Item	Press ↑/←	Press ↑/→
PICTURE	Decrease picture contrast.	Increase picture contrast.
COLOR	Decrease color intensity.	Increase color intensity.
BRIGHT	Darken the picture.	Brighten the picture.
HUE	Make picture tones become reddish.	Make picture tones become greenish.
SHARP	Soften the picture.	Sharpen the picture.
VM	Decrease emphasis on picture edges.	Increase emphasis on picture edges.

Note
- You can adjust HUE for the NTSC system only.

If the picture is slightly snowy
You may try to improve the picture by changing the VM setting as described below:

1 Display the VIDEO ADJUST menu.
2 Press ↑ or ↓ to move the cursor (▶) to VM, and press ENTER.
3 Press ↑/→/↓/← to select LOW, and press ENTER.

If the picture color is abnormal when receiving programs through the 𝍐 (antenna) terminal
Change the color system or the TV system from the PRESET menu as described below until the color becomes normal.

1 Display the PRESET menu.
2 Press ↑ or ↓ to move the cursor (▶) to COL SYS or TV SYS, and press ENTER.
3 Press ↑/→/↓/← to change the color system or the TV system until the color becomes normal, and press ENTER.

Note
- Normally set the color system (COL SYS) to AUTO.

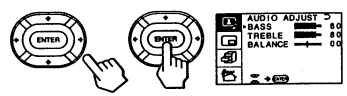
Adjusting the sound settings (AUDIO ADJUST)

You can adjust the sound settings to suit your taste with the AUDIO ADJUST option. The adjusted settings are stored in the PERSONAL option.

1 Press MENU.

2 Make sure the cursor (▶) appears in the A/V CONTROL menu (), and press ENTER.

3 Press ↑ or ↓ to move the cursor (▶) to AUDIO ADJUST, and press ENTER.



4 Press ↑ or ↓ to move the cursor (▶) to the item you want to adjust, and press ENTER.

5 Press ↑/→/↓/← to adjust the selected item, and press ENTER.

For details on each item, see "Description of adjustable items" below.

6 To adjust other items, repeat steps 4 and 5.

7 Press MENU to return to the normal screen.

Description of adjustable items

Item	Press ↑/←	Press ↑/→
BASS	Decrease the bass sound.	Increase the bass sound.
TREBLE	Decrease the treble sound.	Increase the treble sound.
BALANCE	Increase the left speaker's volume	Increase the right speaker's volume.

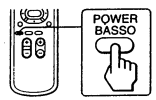
If the sound is distorted or noisy when receiving programs through the 𝍐 (antenna) terminal
Change the TV system from the PRESET menu as described below until the sound becomes normal.

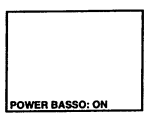
1 Display the PRESET menu.
2 Press ↑ or ↓ to move the cursor (▶) to TV SYS, and press ENTER.
3 Press ↑/→/↓/← to change the TV system until the sound becomes normal, and press ENTER.

Listening to the POWER BASSO sound

The POWER BASSO sound enables you to enjoy a high quality sound mode with the best combination of all types of sound. It reproduces dynamic and clear sounds and emphasizes low and high audio effects as well.

Press POWER BASSO.





The sound mode of the TV program or the video input changes to the POWER BASSO sound.

To restore the previous sound mode

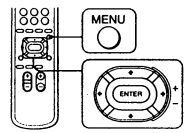
Press POWER BASSO again.

Note

- You can select any of the surround sound modes (HYPER SURROUND) to cancel the POWER BASSO sound.

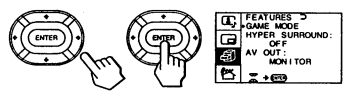
Listening to the surround sound (HYPER SURROUND)

The HYPER SURROUND feature enables you to enjoy a surround sound effect that is like being in a concert hall or movie theater when receiving stereo signals.



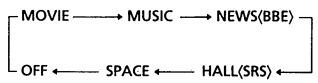
1 Press MENU.

2 Press ↑ or ↓ to move the cursor (▶) to the FEATURES MENU ( ), and press ENTER.



3 Press ↑ or ↓ to move the cursor (▶) to HYPER SURROUND, and press ENTER.

4 Press ↑/→/↓/← to select MOVIE, MUSIC, NEWS(BBE), HALL(SRS) or SPACE, and press ENTER.



For details on each item, see "Description of adjustable items" below.

5 Press MENU to return to the normal screen.

Description of adjustable items

Select	To
MOVIE	Listen to a sound that emphasizes the bass audio effect of movie theater.
MUSIC	Listen to a dynamic and clear sound that emphasizes the low and high audio effect.
NEWS(BBE)	Listen to a sound that emphasizes voice.
HALL(SRS)	Listen to a sound that spreads out over a large area, giving the feeling of being at a concert hall.
SPACE	Listen to a monaural sound that gives a stereo-like effect.
OFF	Turn off the surround sound.

Notes

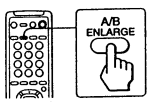
- The BBE is manufactured by Sony Corporation under license from BBE Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word "BBE" and the BBE symbol are the trademarks of BBE Sound, Inc.
- The (●)® SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. The word "SRS" and the SRS symbol (●) are registered trademarks of SRS Labs, Inc.

Selecting a stereo or bilingual program

■ KV-E29MH1/E29MH11/E29MN11 only

You can enjoy stereo sound or bilingual programs of NICAM and A2 (German) stereo systems.

Press A/B/ENLARGE repeatedly until you receive the sound you want.
The on-screen display changes corresponding to the selected sound and the STANDBY/STEREO/WAKE UP indicator also lights up.



When receiving a NICAM program

Broadcasting	On-screen display (Selected sound)
NICAM stereo	NICAM (Stereo sound) → MONO (Regular sound)
NICAM bilingual	NICAM MAIN (Main sound) → NICAM SUB (Sub sound) → MONO (Regular sound)
NICAM monaural	NICAM MAIN (Main sound) → MONO (Regular sound)

When receiving an A2 (German) program

Broadcasting	On-screen display (Selected sound)
A2 (German) stereo	STEREO (Stereo sound)
A2 (German) bilingual	MAIN (Main sound) → SUB (Sub sound)

Receiving area for NICAM and A2 (German) programs

System	Receiving area
NICAM	Hong Kong, Singapore, New Zealand, etc.
A2 (German)	Australia, Malaysia, Thailand, etc.

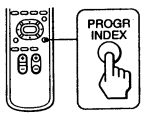
Notes
- If the signal is very weak, the sound becomes monaural automatically.
- If the stereo sound is noisy when receiving a NICAM program, select "MONO." The sound becomes monaural, however, the noise will be reduced.

Viewing multiple programs at the same time (PROGRAM INDEX)

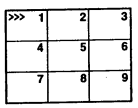
The PROGRAM INDEX feature allows you to view all the preset TV programs and the video inputs on the nine sub screens within the main screen at the same time.

You can view multiple programs on the nine sub screens using the button on the remote commander or the menu.

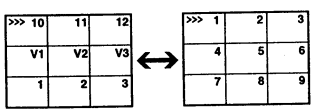
Press PROGR INDEX.



The first nine preset programs appear on the nine sub screens.



To view the next or the previous nine preset programs on the nine sub screens
Press PROGR +/– on the remote commander or the TV.



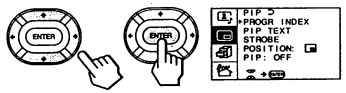
To select the program you want to watch directly after viewing multiple programs on the nine sub screens
Press the number buttons, VIDEO/HOLD, or press ↑/→/↓/← to move the cursor (>>>) that appears on the first screen to the screen of the program you want to watch, and press ENTER.

To restore the normal screen
Press PROGR INDEX again or PIP.
You can also select PROGR INDEX or PIP : OFF from the PIP menu, and press ENTER to restore the normal screen.

To view multiple programs on the nine sub screens using the menu

1 Press MENU.

2 Press ↑ or ↓ to move the cursor (▶) to the PIP menu ( ), and press ENTER.

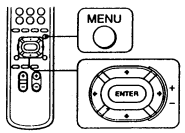


3 Make sure the cursor (▶) appears beside PROGR INDEX, and press ENTER.

Notes
- You can change the position of the nine sub screens using the PIP menu (as described in "Changing the position of the PIP screen" on page 23).
- You can hear the sound of the main screen when viewing multiple programs on the nine sub screens.
- You can use the number buttons on the remote commander to change the program position of the main screen when viewing multiple programs on the nine sub screens.

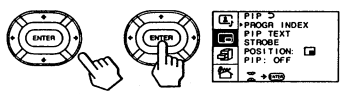
Displaying frame-by-frame pictures (STROBE)

You can watch a slow motion movement of the main screen picture which is displayed frame-by-frame on the nine sub screens within the main screen.

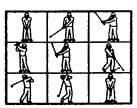


1 Press MENU.

2 Press ↑ or ↓ to move the cursor (▶) to the PIP menu ( ), and press ENTER.



3 Press ↑ or ↓ to move the cursor (▶) to STROBE, and press ENTER.



To restore the normal screen

Select STROBE again or PIP : OFF from the PIP menu, and press ENTER.

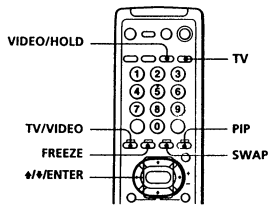
You can also press TV, VIDEO/HOLD, PROGR +/–, or PIP to restore the normal screen.

Notes

- You can change the position of the nine sub screens using the PIP menu (as described in "Changing the position of the PIP screen" on page 23).
- You can hear the normal sound when using the STROBE feature.

Using the Picture-in-Picture (PIP) features

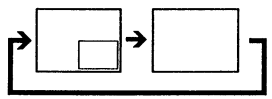
With the Picture-in-Picture (PIP) feature, you can display a sub screen within the main picture of different TV programs or video inputs.



Displaying the PIP screen

You can display the PIP screen using the button on the remote commander or the menu.

Press PIP.



Selecting a TV program or video input in the PIP screen

To select a TV program, press ↑ or ↓, and press ENTER.

To select a video input, press TV/VIDEO.

To display the PIP screen using the menu

1 Press MENU.

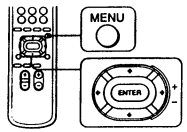
2 Press ↑ or ↓ to move the cursor (▶) to the PIP menu ( ), and press ENTER.

3 Press ↑ or ↓ to move the cursor (▶) to PIP, and press ENTER.

4 Press ↑/→/↓/← to select ON, and press ENTER.

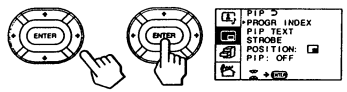
5 Press MENU to return to the normal screen.

Changing the position of the PIP screen



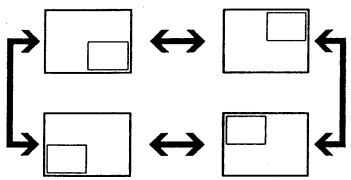
1 Press MENU.

2 Press ↑ or ↓ to move the cursor (▶) to the PIP menu ( ), and press ENTER.



3 Press ↑ or ↓ to move the cursor (▶) to POSITION, and press ENTER.

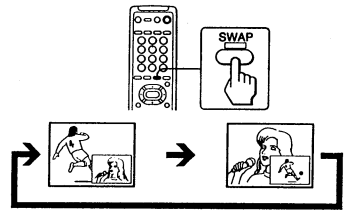
4 Press ↑/→/↓/← to select the position you want, and press ENTER.



5 Press MENU to return to the normal screen.

Swapping pictures between the main and PIP screens

Press SWAP.



Freezing the PIP screen

Press FREEZE.

The PIP screen will freeze.

To restore the normal screen

Press FREEZE again.

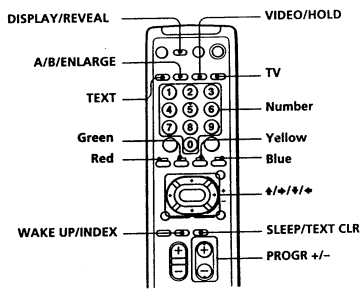
Notes

- When you display a video input on the PIP screen at an abnormal speed, the picture may be noisy depending on the VCR.
- If you display different color systems on the main screen and the PIP screen, the size of the PIP screen may be different and the PIP picture may be noisy. This does not indicate a malfunction of the TV.

Viewing Teletext

■ ***KV-E29MH11/E29MN11 only***

TV stations broadcast an information service called Teletext via a TV channel.
Teletext service allows you to receive various information such as weather forecasts or news at any time.



Displaying Teletext

1 Select a TV channel that carries the Teletext broadcast you want to watch.

2 Press TEXT to display the Teletext.
A Teletext page (normally the index page) is displayed. If there is no Teletext broadcast, "100" is displayed at the top left corner of the screen.

To turn off Teletext
Press TV.

Superimposing a Teletext page on the TV picture

Press TEXT.
Each time you press TEXT, the screen changes as follows:

→ Teletext → Teletext and TV → TV →

Checking the contents of a Teletext service (INDEX)

Press WAKE UP/INDEX to display an overview of the Teletext contents and page numbers.

Using FASTEXT

This feature allows you to quickly access a Teletext page that uses FASTEXT. When a FASTEXT program is broadcasted, the colored menus appear at the bottom of the screen. The colors of the menus correspond to the red (TV/VIDEO), green (FREEZE), yellow (SWAP), and blue (PIP) color-coded buttons on the remote commander.

To access a FASTEXT menu
Press the color-coded button on the remote commander that corresponds to the colored menu which appears at the bottom of the screen. The menu page appears on the screen after several seconds.

Selecting a Teletext page

Press the number buttons to enter the three-digit page number of the Teletext page you want.
If you make a mistake, re-enter the correct page number.

To access the next or previous page
Press ↑/→/↓/← or PROGR +/–.

You can also access a Teletext page of any page numbers that appear in the colored column at the bottom of the screen using the corresponding color-coded button on the remote commander.

Holding a Teletext page (HOLD)

A Teletext page may consist of several subpages. You can stop the page scrolling in order to read the text at your own pace.

Press VIDEO/HOLD.
The HOLD symbol "⏯" appears at the top left corner of the screen.

To resume normal Teletext operation
Press VIDEO/HOLD again or TEXT.

Revealing concealed information (REVEAL)

The REVEAL option lets you disclose concealed information, such as an answer to a quiz that you find on some of the Teletext pages.

Press DISPLAY/REVEAL.

To conceal the information
Press DISPLAY/REVEAL again.

Enlarging the Teletext display (ENLARGE)

Press A/B/ENLARGE.
Each time you press A/B/ENLARGE, the Teletext display changes as follows:

→ Enlarge upper half → Enlarge lower half →
Normal size ←

Waiting for a Teletext page while watching a TV program (TEXT CLEAR)

1 Key in the page number of the Teletext that you want to refer, then press SLEEP/ TEXT CLR.

2 When the page number is displayed on the screen, press TEXT to turn on the Teletext.

Displaying Teletext on the PIP screen (PIP TEXT)

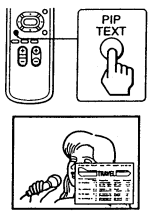
■ KV-E29MH11/E29MN11 only

The PIP TEXT feature enables you to display a Teletext page on the PIP screen while watching a TV program.

You can display the Teletext on the PIP screen using the button on the remote commander or the menu.

1 Select a TV channel that carries the Teletext broadcast you want to watch.

2 Press PIP TEXT.

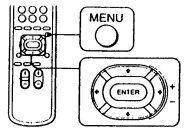


To restore the normal screen

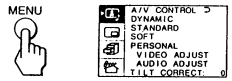
Press PIP TEXT again, TV, VIDEO/HOLD, or PROGR +/–.

You can also select PIP : OFF from the PIP menu, and press ENTER to restore the normal screen.

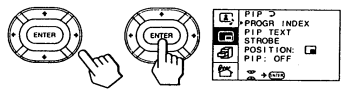
To display a Teletext page on the PIP screen using the menu



1 Press MENU.



2 Press ↑ or ↓ to move the cursor (▶) to the PIP menu ( ), and press ENTER.



3 Press ↑ or ↓ to move the cursor (▶) to PIP TEXT, and press ENTER.

4 Press ↑/→/↓/← to select the Teletext page you want to watch.

Notes

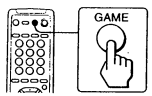
- You can also use the color-coded buttons (see page 24) while displaying a Teletext page on the PIP screen.
- To select a Teletext page on the PIP screen, press ↑/→/↓/← once only.
  If you press ↑/→/↓/← continuously, the Teletext page numbers also change continuously at a fast speed.
- You can change the position of a Teletext page on the PIP screen using the PIP menu (as described in "Changing the position of the PIP screen" on page 23).

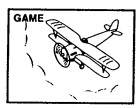
Viewing a video game screen (GAME MODE)

The GAME MODE feature enables you to view a video game screen in the optimum mode that gives soft picture and dynamic sound effect.

You can display a video game screen using the button on the remote commander or the menu.

Press GAME.



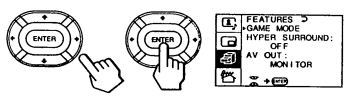


The picture and sound change to the mode that is suitable for a video game.

To view a video game screen using the menu

1 Press MENU.

2 Press ↑ or ↓ to move the cursor (▶) to the FEATURES menu ( ), and press ENTER.



3 Make sure the cursor (▶) appears beside GAME MODE, and press ENTER.

To restore the normal picture and sound modes

Press TV, VIDEO/HOLD, or PROGR +/–.

Notes

- If you press the GAME button when the TV is in the standby mode, the TV turns on automatically and the picture and sound change to the mode that is suitable for a video game.
- To display a video game screen, connect the video game equipment to the VIDEO 3 INPUT jacks at the front of the TV or the VIDEO IN 3 jacks at the rear of the TV.

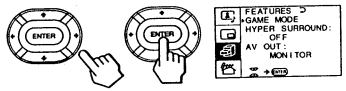
Customizing the TV

Using the AV OUT (advanced rec-out) terminal

You can select the output signal from the MON/TV OUT jacks at the rear of the TV. However, the signals of the PROGRAM INDEX, STROBE, PIP modes, and the Teletext broadcast (for KV-E29MH11/E29MN11 only) cannot be output even though MONITOR is selected.

1 Press MENU.

2 Press ↑ or ↓ to move the cursor (▶) to the FEATURES menu (), and press ENTER.



3 Press ↑ or ↓ to move the cursor (▶) to AV OUT, and press ENTER.

4 Press ↑/→/↓/← to select the output signal, and press ENTER.

Select	To
TV	Output the signal of the TV broadcast.
MONITOR	Output the signal of the picture you are watching as a main picture.

Note

- Do not change the channel while recording with a VCR through the MON/TV OUT jacks. If you change the channel, it also changes the channel you are recording.

Adjusting the picture tilt

You can adjust the picture tilt if it is not aligned to the TV screen. This may happen due to the direction of the earth's magnetic fields in relation to the TV position.

1 Press MENU.

2 Make sure the cursor (▶) appears in the A/V CONTROL menu (), and press ENTER.

3 Press ↑ or ↓ to move the cursor (▶) to TILT CORRECT, and press ENTER.

4 Press ↑/→/↓/← to select the most suitable value to adjust the picture tilt, and press ENTER.

TILT CORRECT:

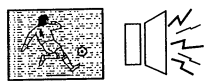
−5 ← −4 ← −3 ← −2 ← −1 ← 0 → +1 → +2 → +3 → +4 → +5

Press ↓/← Press ↑/→

Troubleshooting

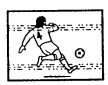
If you have any problems, read this manual again and check the countermeasure for each of the symptoms listed below.
If the problem persists, contact your nearest Sony dealer or authorized service center.

Snowy picture
Noisy sound



➡Check the antenna.
➡Check the antenna connection on the TV and on the wall.
➡Check the TV system (TV SYS) setting.
➡Check the ATT (attenuator) setting.

Dotted lines or stripes

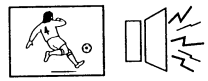


➡This may be caused by local interference (e.g. cars, neon signs, hair dryers, etc.). Adjust the antenna for minimum interference.

Double images or "ghosts"

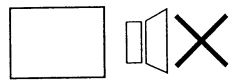
➡This may be caused by reflections from nearby mountains or buildings. A highly directional antenna may improve the picture.

Good picture
Noisy sound



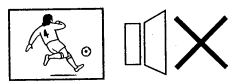
➡Check the TV system (TV SYS) setting.

No picture
No sound



➡Press POWER.
➡Press MAIN POWER to turn off the TV for about five seconds and then turn it on again.
➡Check the power cord connection.
➡Check the antenna connection.
➡Check the VCR connections.

Good picture
No sound



➡Press VOL +.
➡Press MUTING.
➡Press A/B/ENLARGE (KV-E29MH1/E29MH11/E29MN11).

No color

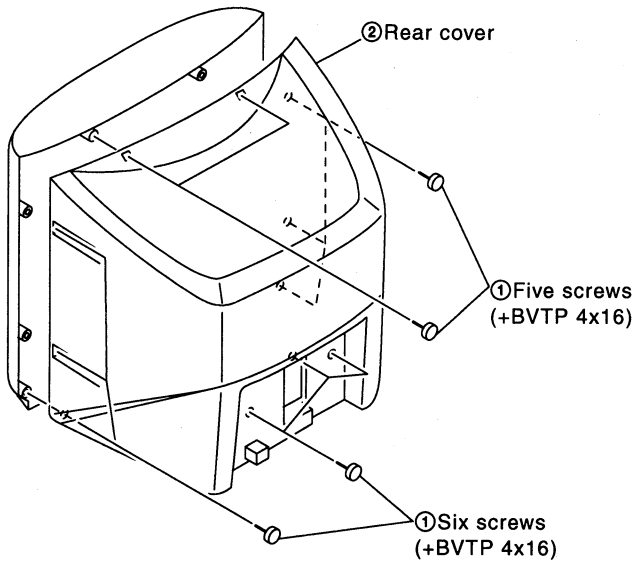
➡Adjust the COLOR level in the VIDEO ADJUST menu of the PERSONAL option.
➡Check the color system (COL SYS) setting.

TV cabinet creaks

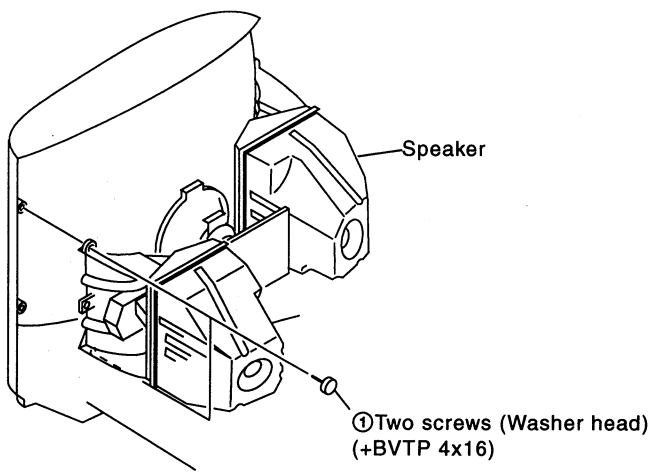
➡Even if the picture or the sound is normal, changes in the room temperature sometimes make the TV cabinet expand or contract, making a noise. This does not indicate a malfunction.

SECTION 2
DISASSEMBLY

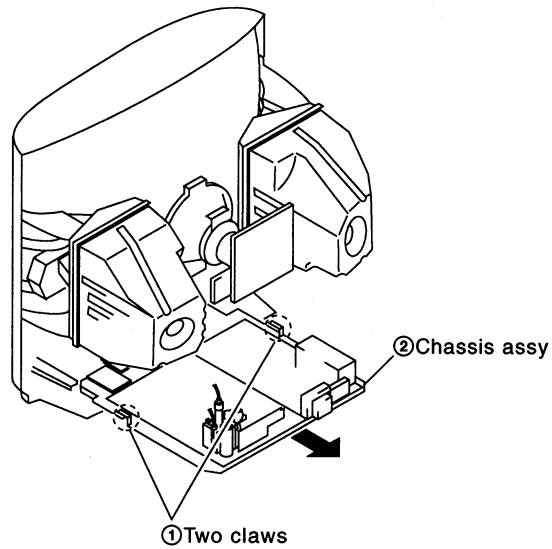
2-1. REAR COVER REMOVAL



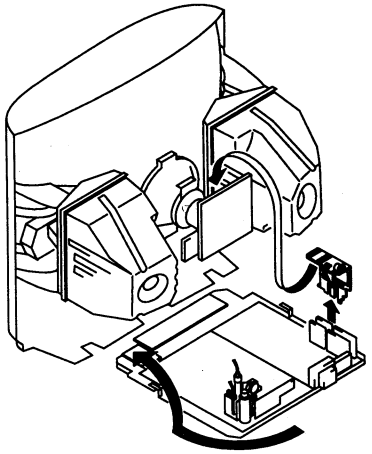
2-2. SPEAKER REMOVAL

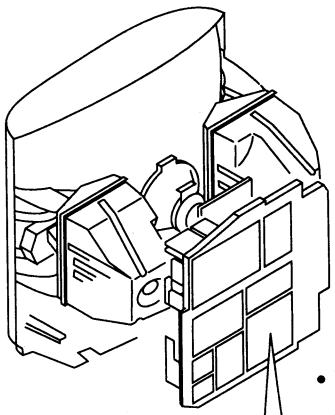


2-3. CHASSIS ASSY REMOVAL



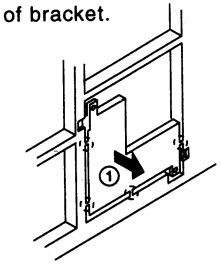
2-4. SERVICE POSITION





• When measuring the power supply voltage, just remove a part of bracket shown below.

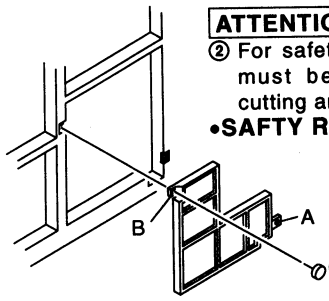
① Cut the four marked sections with a nippers to remove a part of bracket.



ATTENTION

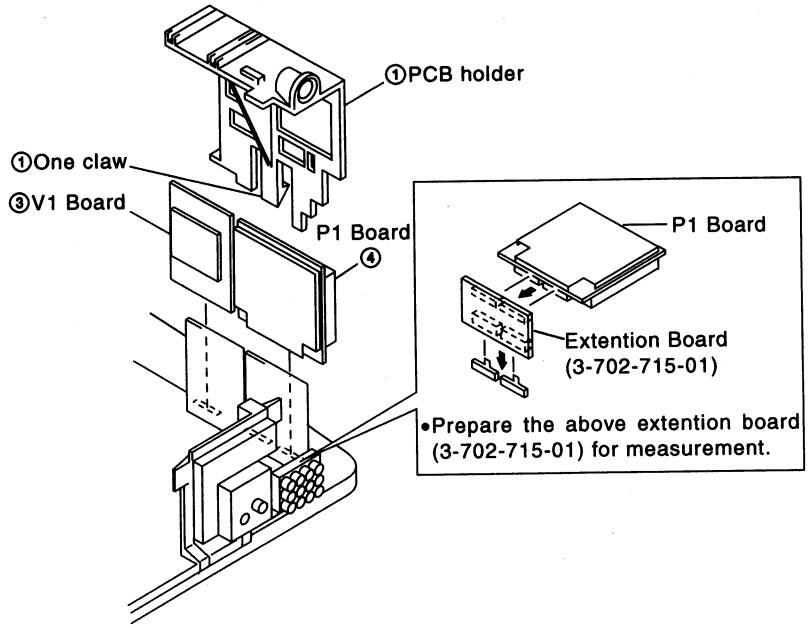
② For safety reason this plate must be remounted after cutting and taking away.

•SAFTY REQUIREMENT

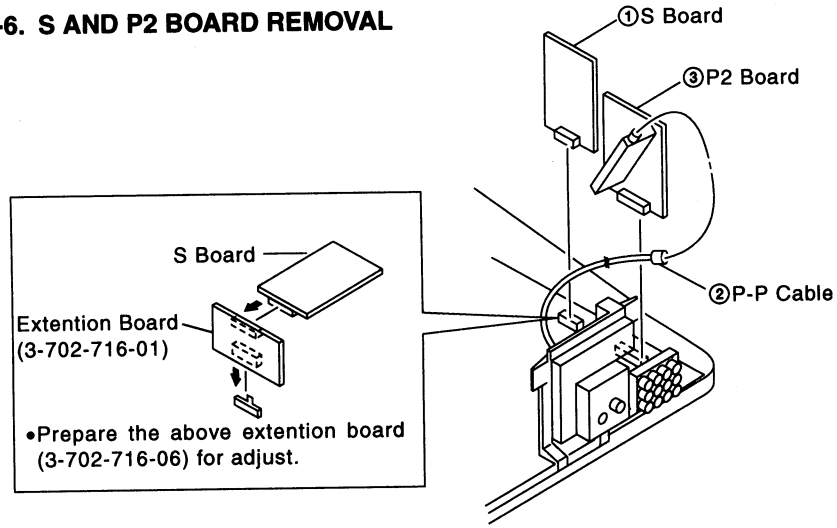


②Two screws
(+BVTP 3x8)
(7-685-646-71)

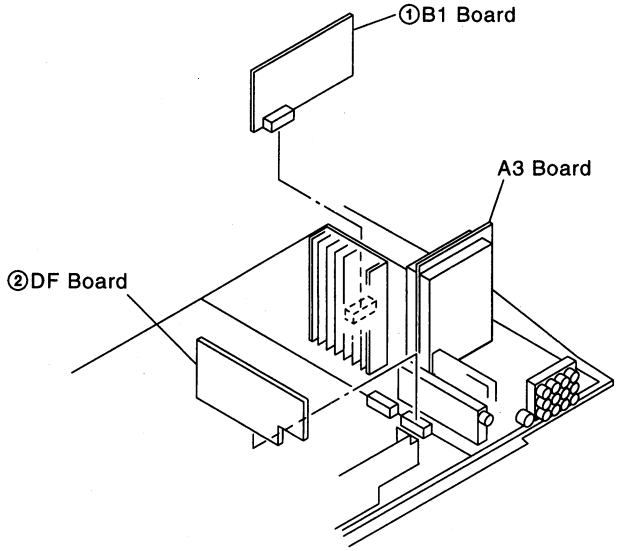
2-5. V1 AND P1 BOARD REMOVAL



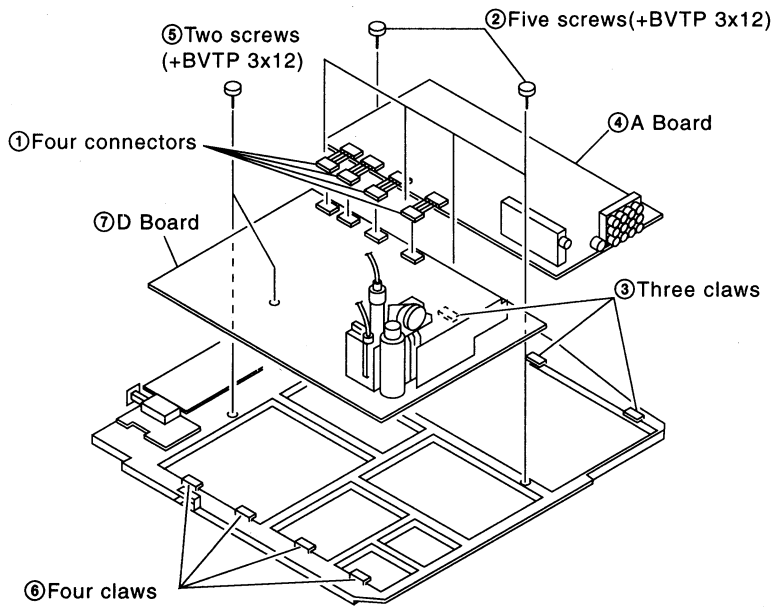
2-6. S AND P2 BOARD REMOVAL



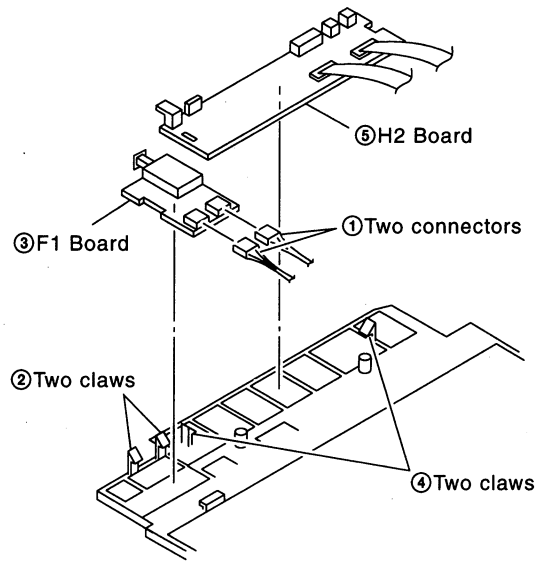
2-7. B1 AND DF BOARDS REMOVAL



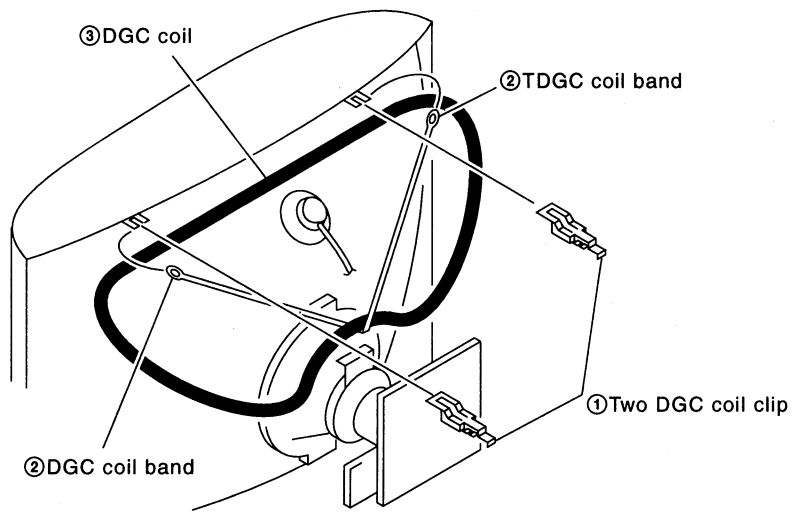
2-8. A AND D BOARDS REMOVAL



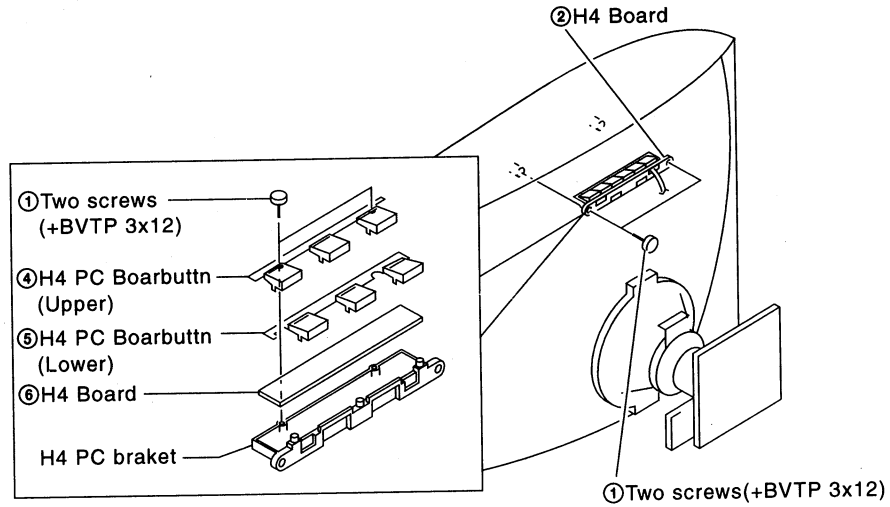
2-9. F1 AND H2 BOARDS REMOVAL



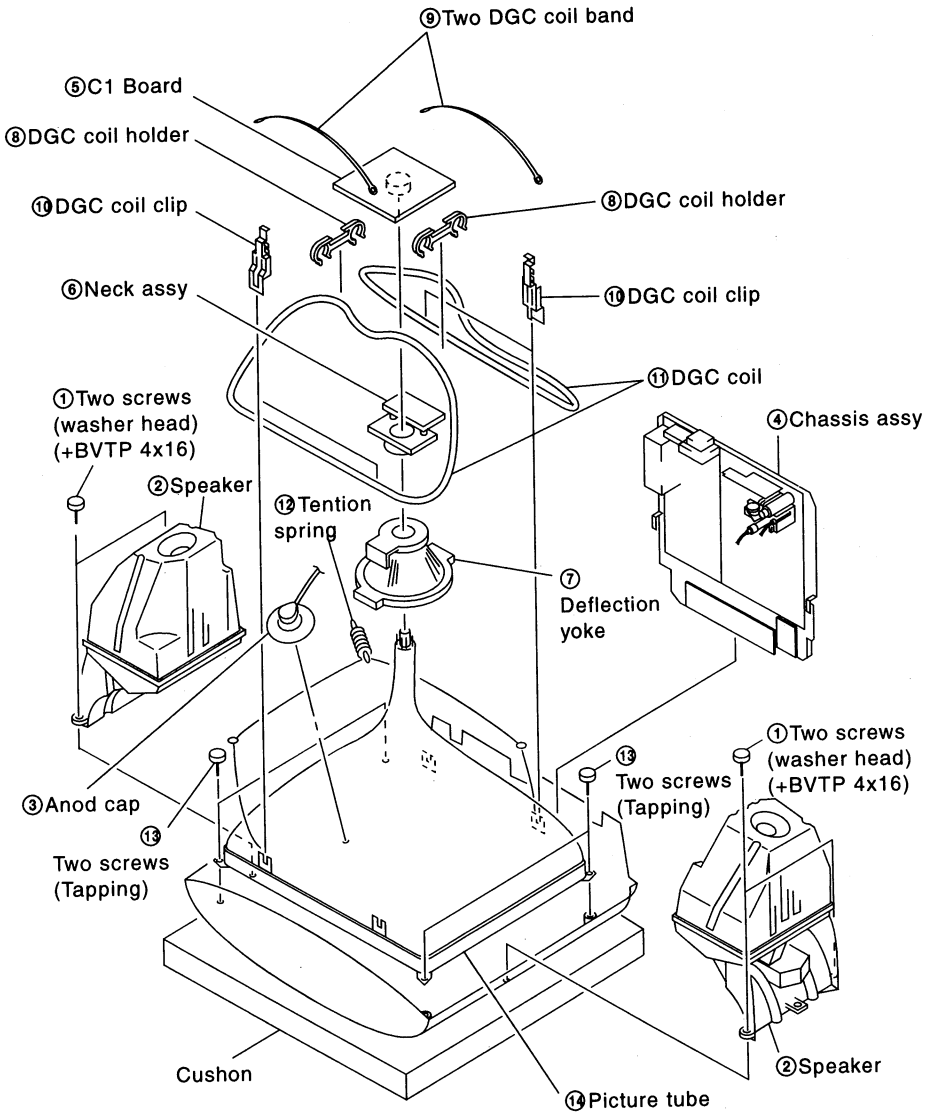
2-10. DGC COIL REMOVAL



2-11. H4 BOARD REMOVAL



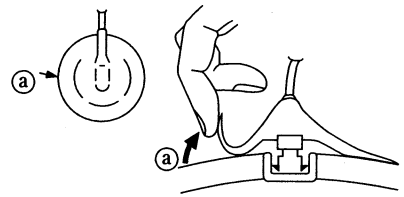
2-12. PICTURE TUBE REMOVAL



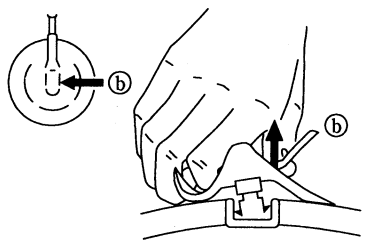
•REMOVAL OF ANODE-CAP

NOTE : Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

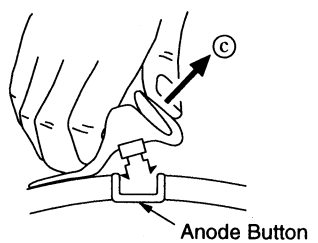
•REMOVING PROCEDURES



① **Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ.**



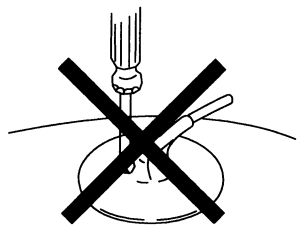
② **Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⓑ.**

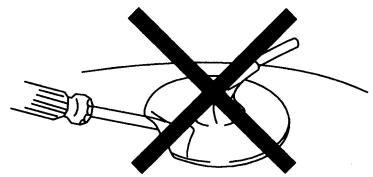


③ **When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ⓒ.**

• HOW TO HANDLE AN ANODE-CAP

① **Don't hurt the surface of anode-caps with sharp shaped objects!**
② **Don't press the rubber too hard so as not to hurt inside of anode-caps! A metal fitting called the shatter-hook terminal is built into the rubber.**
③ **Don't turn the foot of rubber over too hard! The shatter-hook terminal will stick out or damage the rubber.**





SECTION 3
SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:
PICTURE control ..... RESET
BRIGHTNESS control ..... CENTER

Perform the adjustments in order as follows :

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

Note : Test Equipment Required.

1. Color-bar/Pattern Generator
2. Degausser
3. Oscilloscope

Preparations :

- In order to reduce the influence of geomagnetism on the set's picture tube, face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

1. Input a white signal with the pattern generator.
   Contrast, Brightness } normal
2. Position neck ass'y as shown in Fig3-2.
3. Set the pattern generator raster signal to a red raster.
4. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side.
   (See Figures 3-1 through 3-3.)
5. Move the deflection yoke forward and adjust so that the entire screen is red. (See Figure 3-1.)
6. Switch the raster signal to blue, then to green and verify the condition.
7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws and DY spacers.
8. If the beam does not land correctly in all the corners, use a magnet to adjust it.
   (See Figure 3-4.)

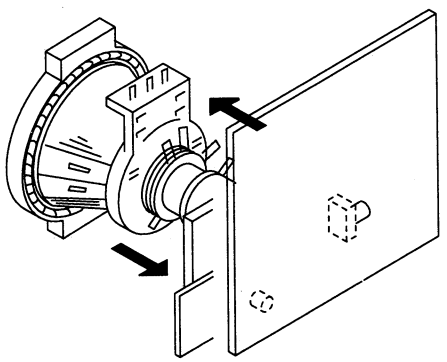


Fig. 3-1

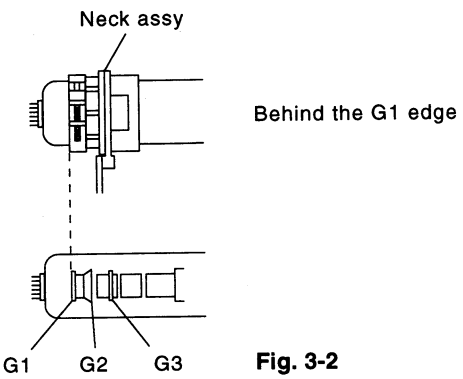


Fig. 3-2

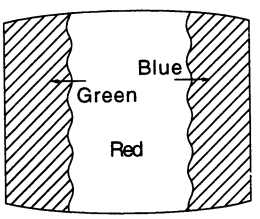


Fig. 3-3

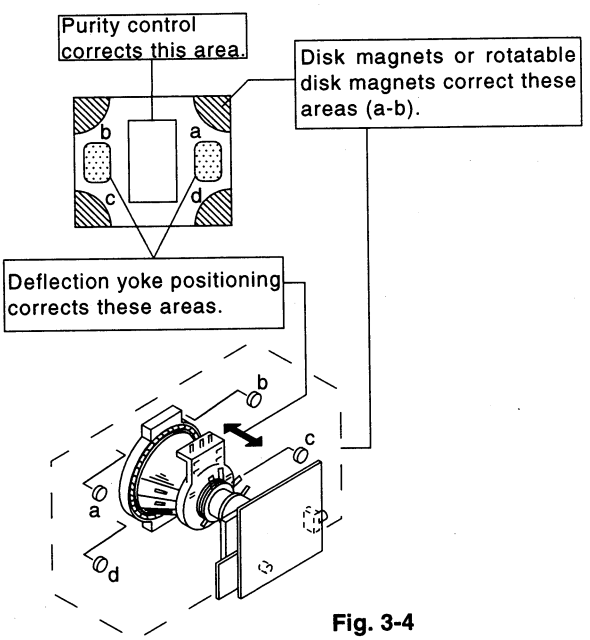


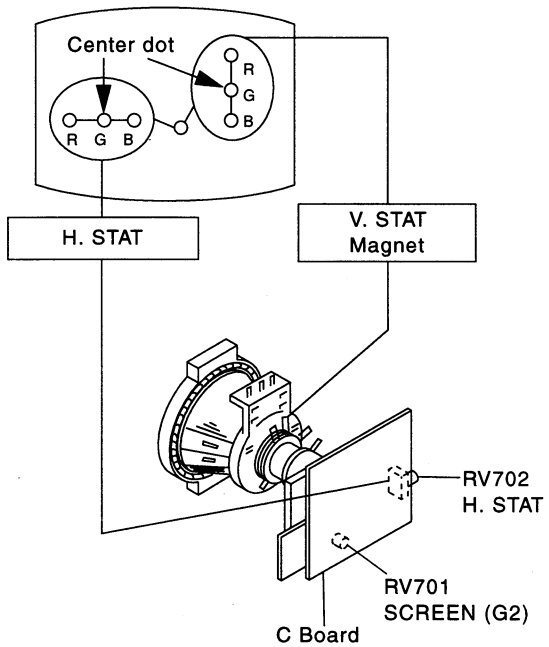
Fig. 3-4

3-2. CONVERGENCE

Preparations :

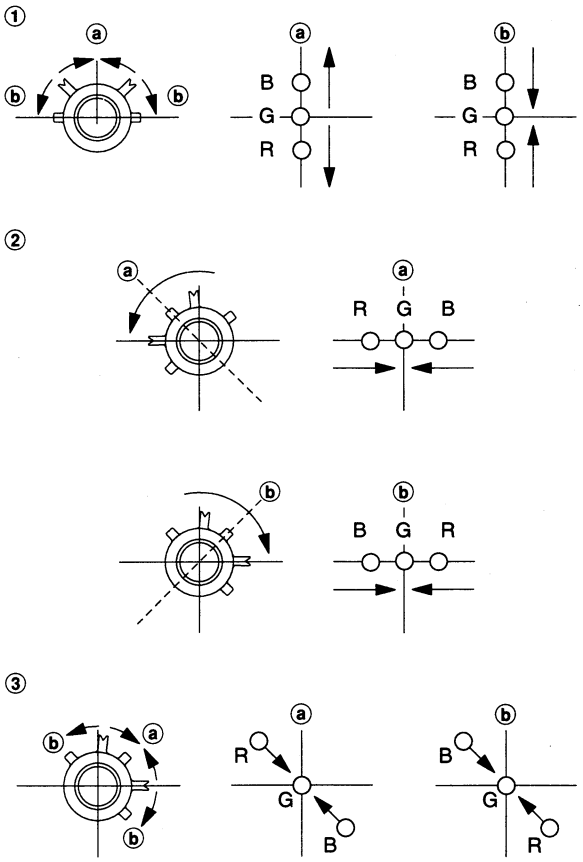
- Before starting this adjustment, adjust the focus, horizontal size and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

(1) Horizontal and Vertical Static Convergence

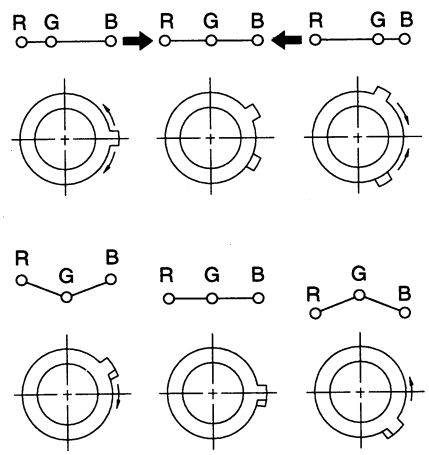


1. (Moving horizontally), adjust the H.STAT control so that the red, green and blue points are on top of each other at the center of the screen.
2. (Moving vertically), adjust the V.STAT magnet so that the red, green and blue points are on top of each other at the center of the screen.
3. If the H.STAT variable resistor cannot bring the red, green and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V.STAT magnet in the manner given below.
   (In this case, the H.STAT variable resistor and the V.STAT magnet influence each other.)

- Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.
  If the V.STAT magnet is moved in the direction of the ⓐ and ⓑ arrows, the red, green, and blue points move as shown below.

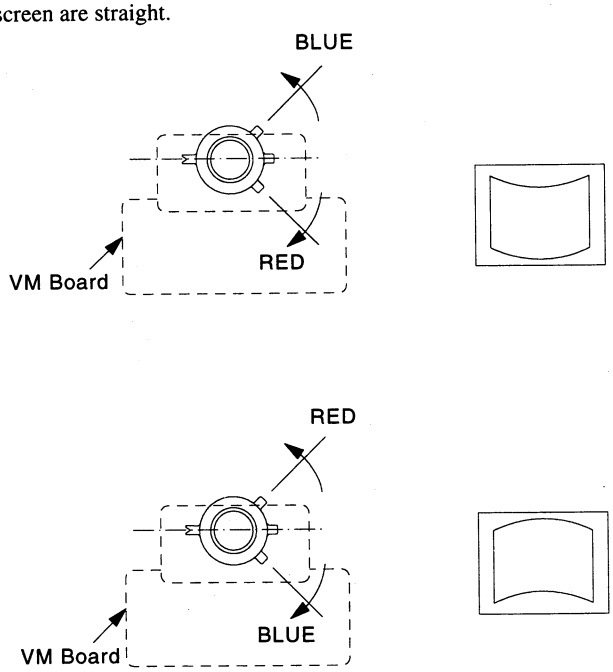


- Operation of BMC (Hexapole) Magnet
  If the red, green and blue dots are not balanced or aligned, then use the BMC magnet to adjust in the manner described below.



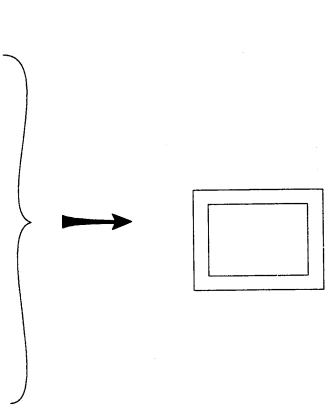
1 Y separation axis correction magnet adjustment receive the cross-hatch signal and adjust [PICTURE] to [MIN] and [BRIGHTNESS] to [STANDARD] .

2 Adjust the Y separation axis correction magnet on the neck assembly so that the horizontal lines at the top and bottom of the screen are straight.



Note 1) The Red and Blue magnets should be equally far from the horizontal center line.
2) Do not seperate the Red and Blue magnets too far. (Less than 8 mm)

- Use the H.STAT VR to adjust the red, green, and blue dots so that they coincide at the center of screen.
  The respective dot position resulting from moving each magnet interact, so be sure to perform adjustment while tracking.

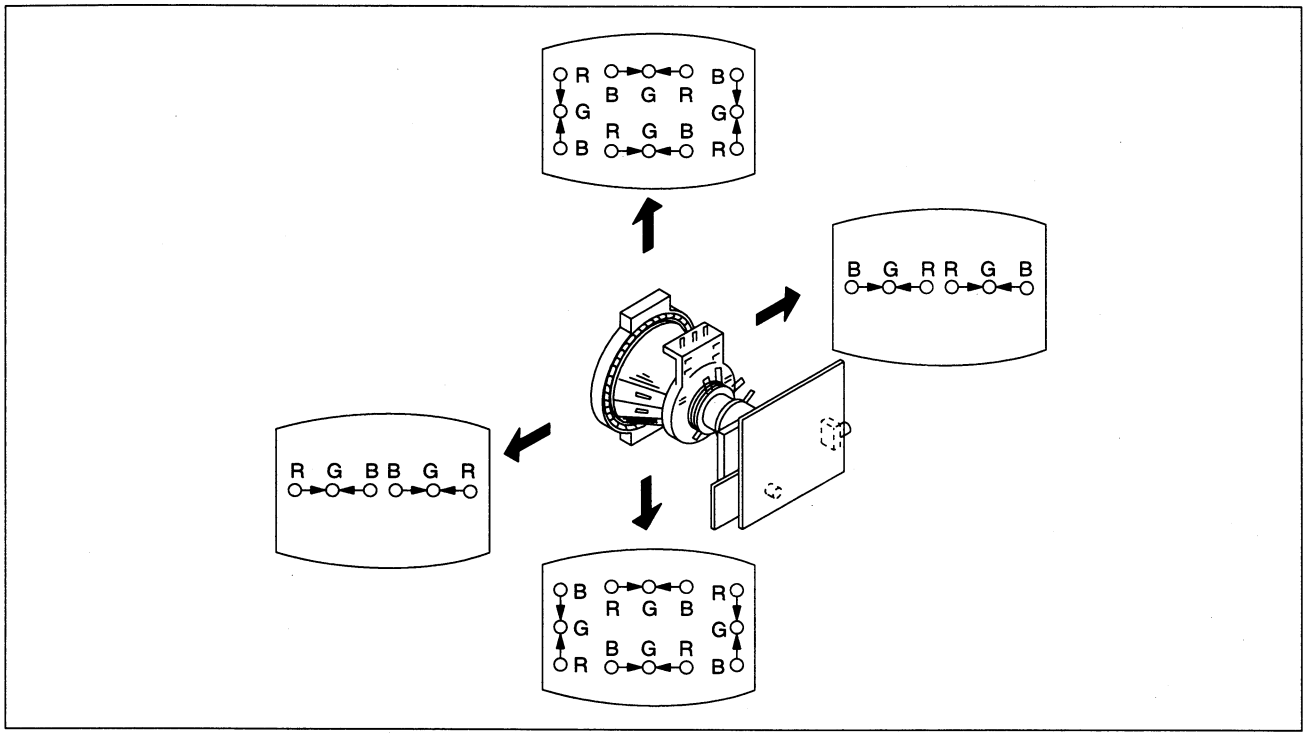


(2) Dynamic Convergence Adjustment

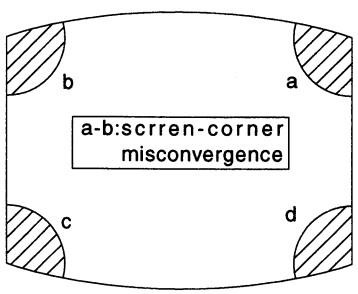
Preparation:

- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence

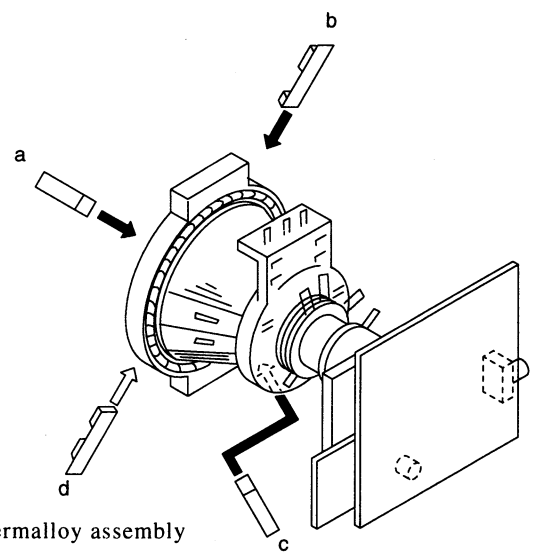
1. Slightly loosen the deflection yoke screws.
2. Remove the deflection yoke spacer.
3. Move the deflection yoke as shown in the figure below and optimize the convergence.
4. Tighten the deflection yoke screws.
5. Install the deflection yoke spacer.



(3) Screen-corner Convergence



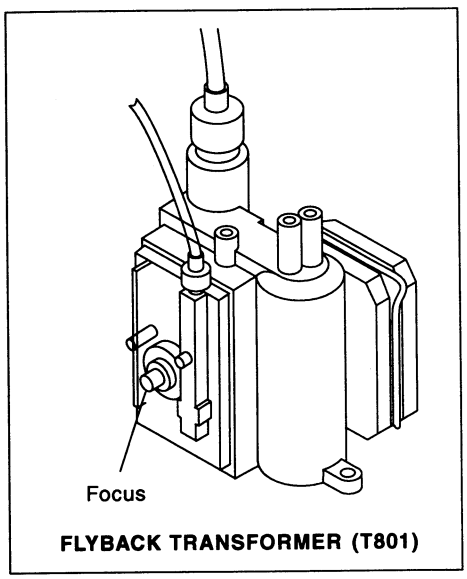
Affix a Permalloy assy corresponding to the misconverged areas.



Permalloy assembly

3-3. FOCUS ADJUSTMENT

Adjust FOCUS control on the flyback transformer for the best focus.



FLYBACK TRANSFORMER (T801)

a. AN ITEM OF ADJUSTMENT

Item number	Adjustment item	Standard DATA		Note
		50Hz	60HZ	
35	SBR	17	17	SUB-BRIGHTNESS
37	GDR	2C		G. Drive
38	BDR	2C		B. Drive
39	GCF	07		G. CUT-OFF
3A	BCF	07		B. CUT-OFF

b. METHOD OF CANCELLATION FROM SERVICE MODE

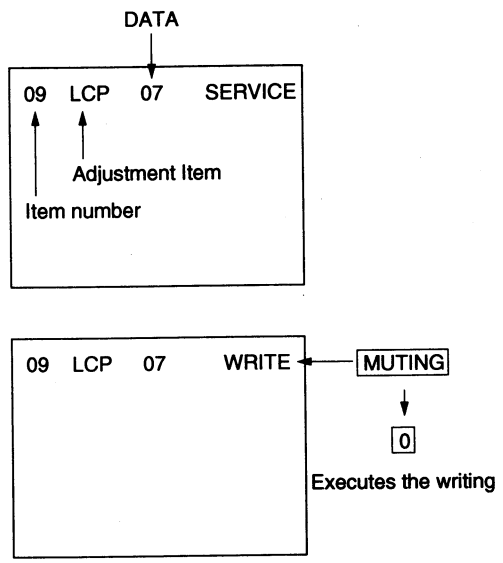
Set the standby condition (Press [POWER] button on the commander), then press [POWER] button again, hereupon it becomes TV mode.

c. METHOD OF WRITE FOR MEMORY

1) Set to Service Mode.
2) Press [1] (UP) and [4] (DOWN), select an item of adjustments.
3) Press [MUTING] button indicate WRITE (RED) on screen.
4) Press [0] button to write into memory.

d. MEMORY WRITE CONFIRMATION METHOD

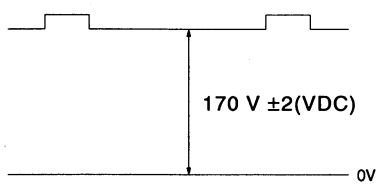
1) After adjustment, pull out the plug from AC outlet, and then plug into AC outlet again.
2) Turn the power switch ON and set to Service Mode.
3) Call the adjusted items again to confirm adjustments were made.



3-4. G2 (SCREEN) AND WHITE BALANCE ADJUSTMENTS

1. G2 (SCREEN) ADJUSTMENT (RV701)

1) Set the PICTURE and BRIGHTNESS to normal.
2) Put to VIDEO input mode without signals.
3) Set to Service Mode.
4) Change BLU data of the item number [8C] from [01] to [00]. (To turn off Blue Back.)
5) Press [MUTING], and [0] to write the data in the memory.
6) Connect R, G, and B of the C board cathode to the oscilloscope.
7) Adjust G2 (RV701) volume to the value below.



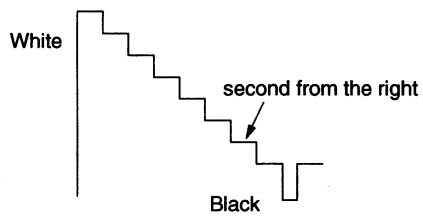
8) Re-set BLU data of the item number [8C] from [00] back to [01].
9) Press [MUTING], and [0] to write the data in the memory.

2. WHITE BALANCE ADJUSTMENTS

1) Set to service Mode.
2) Input white raster signal.
3) Set the PICTURE to minimum.
4) Select SBR(35) with [1] and [4], and then set the level to minimum with [3] and [6].
5) Select GCF(39) and BCF(3A) with [1] and [4]. And adjust the level with [3] and [6] for the best white balance.
6) Set the PICTURE to maximum.
7) Select GDR(37) and BDR (38) with [1] and [4], and adjust the level with [3] and [6] for the best white balance.
8) Write into the memory by pressing [MUTING] then [0].

3. SUB BRIGHT ADJUSTMENT

1) Set to service mode.
2) Input a staircase signal of black and white from the pattern generator.
3) BRIGHTNESS .... RESET.
   PICTURE ..... minimum
4) Select SBR(55) with [1] and [4], and adjust SBR level with [3] and [6] so that the stripe second from the right is dimly lit.



SECTION 4
SELF DIAGNOSIS FUNCTION

If no acknowledgement is returned from a device which is turned "ON", the device has a problem.
In this case, one of the LED's responding to the problem device will flicker a defined number of times.

The flickering frequency responding to each failed device is shown below.

Board name	A Board	A Board	A Board	A Board
Ref. No.	IC003	IC1201	IC104	IC206
Device	NONVOLA-TILE MEMORY	AV SWITCH (CXA1545S)	MAIN Y/C (TDA9145)	SURROUND PROCESSOR (TA8776N)
Flickering Frequency	1	2	3	6

All the devices are checked one after another from the left on the table.
If an error is found, the responding LED will start flickering.
So, if more than 2 devices are failed, the one on the left side will start flickering first.

SECTION 5
CIRCUIT ADJUSTMENTS

5-1. ADJUSTMENTS WITH COMMANDER

Service adjustments are made with the RM-871 that comes with this unit.

Entering service mode

With the unit on standby

↓

[DISPLAY]

↓

[5]

↓

[VOL (+)]

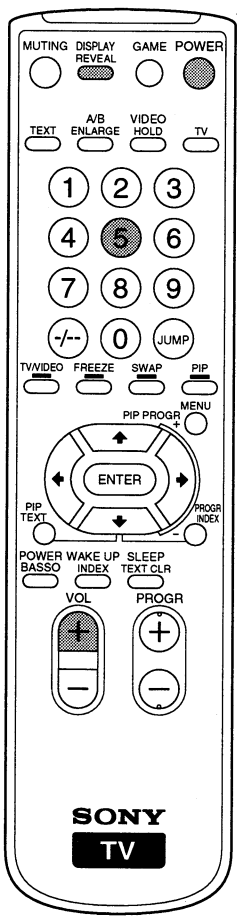
↓

[POWER]

The operation sequence puts the unit into service mode.

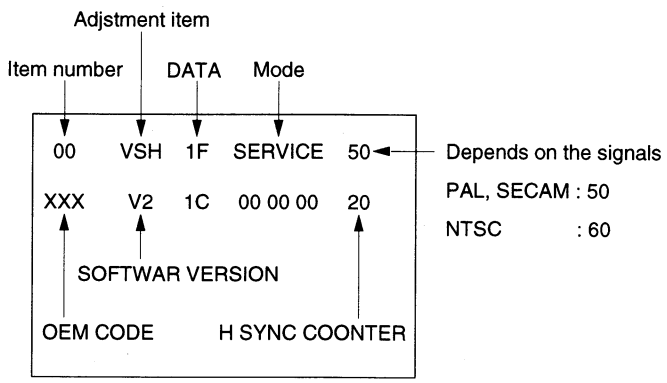
[1], [4] ↓	Select the adjustment item.
[3], [6] ↓	Raise/lower the data value.
[MUTING] ↓	Writes.
[0]	Executes the writing.

[7], [0]	All the data becomes the values in memory.
[8], [0]	All user control goes to the standard state.
[5], [0]	Service data initialization (Be sure not to use usually.)
[2], [0]	Write 50Hz adjustment data to 60Hz, or vice versa.



RM-871

The screen display is :

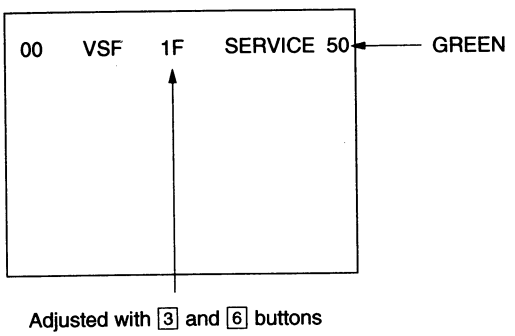


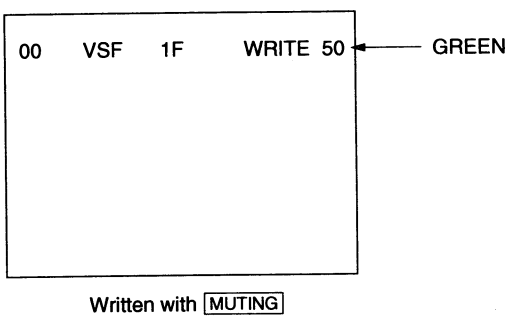
5-2. ADJUSTMENT METHOD

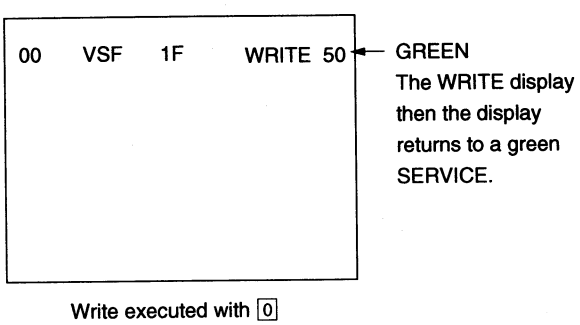
Item Number 00

This explanation uses V-Position as an example.

1. Select 00 VSH with the [1] and [4] buttons.
2. Raise/lower the data with the [3] and [6] buttons.
3. Select the optimum state. (The standard is IF for PAL reception.)
4. Write with the [MUTING] button. (The display changes to WRITE.)
5. Execute the writing with the [0] button. (The WRITE display will be changed back to SERVICE.)







Use the same method for Items Number 00-96. Use [1] and [4] to select the adjustment item, use [3] and [6] to adjust, write with [MUTING], then execute the write with [0].

Note : In [WRITE], the data of all items are into memory.

- As for V-FREQ, by searching the bolded screen V range with adjusting data.

Note : For adjustment Items that have differnt standard data between 50Hz or 60Hz and novwel or wid, be sure to use the respective input signal ather adjusting.

Adjustment Item Table

Item number	Adjustment Item	Data range	Standard data	Note	Device
00	VSH	00-3F	1F	V Position	CXA2050S
01	VSZ	00-3F	1F	V Size	(Y/C/J)
02	HSH	00-0F	07	H Position	Slv:88H
03	HSZ	00-3F	1F	H Size	
04	SCR	00-0F	07	S Correction	
05	VLN	00-0F	07	V Linearity	
06	PAP	00-3F	1F	Pin Comp	
07	PPH	00-0F	07	Pin Phase	
08	UCP	00-0F	07	Up Corner Pin	
09	LCP	00-0F	07	Low Corner Pin	
0A	BOW	00-0F	07	AFC-Bow	
0B	ANG	00-0F	07	AFC-Angle	
0C	VAP	00-3F	2B	V Aspect	
0D	VSC	00-3F	1F	V Scroll	
0E	ULN	00-0F	00	UP V Linearity	
0F	LLN	00-0F	00	LOW V Linearity	
10	**EHH**	00-03	00	EHT-H	
11	**EHV**	00-03	01	EHT-V	
12	**HBS**	00-01	01	H Blk Wid. ON/OFF	
13	**LBK**	00-0F	0F	L Blk Width	
14	**RBK**	00-0F	0F	R Blk Width	
15	**JSW**	00-01	00	Jump ON/OFF Sw	
16	**VBW**	00-03	02	V Blk Wid. Con.	
17	**AFC**	00-03	01	AFC-Mode	
18	**FHH**	00-01	00	FH-HI	
19	**VFQ**	00-03	00	V-Freq	
1A	**VOF**	00-01	00	V OFF	
1B	**VMD**	00-01	00	CD-Mode 2	
1C	**CMD**	00-01	00	CD-Mode	
1D	**ITL**	00-03	00	Inter lace	
1E	**ZSW**	00-01	00	ZOOM SW	
1F	**POV**	00-03	03	Pre-Over	
20	**CT1**	00-01	01	C-Trap(NTSC)	
21	**CT2**	00-01	01	C-Trap(PAL)	
22	**CF0**	00-0F	07	C-Trap f0 Adj	
23	**SF0**	00-01	01	Sharpness f0 Adi	
24	**TOT**	00-01	00	TOT Filter SW	
25	**CSW**	00-03	00	Color SW	
26	**XTL**	00-03	00	Xtal	
27	**CV1**	00-01	01	CV/YC Select(NTSC)	
28	**CV2**	00-01	01	CV/YC Select(PAL)	
29	**VM**	00-01	01	VM ON/OFF	
2A	**YVM**	00-01	00	YSI/VM SW(0:YSI)	
2B	**DPC**	00-01	01	D-Pic ON/OFF	
2C	**DCO**	00-01	01	Dynamic Color	
2D	**GMM**	00-03	01	Gamma	
2E	**DTR**	00-01	01	DC-Tran	
2F	**DL1**	00-07	03	Delay Ctrl.(PAL)	
30	**DL2**	00-07	03	Delay Ctrl.(NTSC)	
31	**DL3**	00-07	03	Delay Ctrl.(SECAM)	
32	SCN	00-0F	09	Sub-Contrast	
33	SCO	00-0F	0B	Sub-Color	
34	SHU	00-0F	05	Sub-Hue	
35	SBR	00-3F	17	Sub-Bright	
36	**SSH**	00-07	04	Sub-Sharpness	
37	GDR	00-3F	2C	G-Drive	
38	BDR	00-3F	2C	B-Driver	
39	GCF	00-0F	07	G-Cutoff	

Note: ▒▒ Bold items are fixed data.

Adjustment Item Table

Item number	Adjustment Item	Data range	Standard data	Note	Device
3A	BCF	00-0F	07	B-Cutoff	CXA2050S (Y/C/J) Slv:88H
3B	**RPO**	00-03	01	Ref-Position	
3C	**PON**	00-01	01	Pic-ON	
3D	**RON**	00-01	01	R ON	
3E	**GON**	00-01	01	G ON	
3F	**BON**	00-01	01	B ON	
40	**AKF**	00-01	00	AKB ON/OFF SW	
41	**ESY**	00-01	00	Ext Sync Select	
42	**AGG**	00-01	00	Aging Mode ON/OFF	
43	**ABL**	00-01	01	ABL Pic/Pic&Brt SW(0:Pic only)	
44	**LIM**	00-01	00	RGB Limit ON/OFF(0:ON)	
45	**PB**	00-01	01	Picture Booster	TDA9170 (Picture Improve) Slv:D0H
46	**BOF**	00-01	00	Black Offset	
47	**UVG**	00-3F	2F	User Var. Gamma	
48	**ADG**	00-3F	1F	Adaptive Gamma	
49	**NLA**	00-3F	1F	Non-linear Amp	
4A	**WDS**	00-02	00	Window Select	
4B	**LST**	00-0F	07	Window Line Start	
4C	**LSP**	00-0F	07	Window Line Stop	
4D	**FST**	00-0F	07	Window Field Start	
4E	**FSP**	00-0F	07	Window Field Stop	
4F	**VA**	00-01	01	V Aperture on/off	CXA1315 (V-AP) Slv:48H
50	**VAW**	00-03	03	V Aperture white	
51	**VAB**	00-03	03	V Aperture black	
52	**VAC**	00-0F	03	V Aperture core	
53	**SHP**	00-3F	1F	Sharpness	CXA1315 (LTI) Slv:42H
54	**VML**	00-3F	27	VM Limitter	
55	**COR**	00-3F	17	Coreing	
56	**DOF**	00-3F	15	DSC Offset	
57	**DGA**	00-3F	1F	DSC Gain	
58	**DLT**	00-01	01	Delay Time	
59	**SDL**	00-0F	00	SEL Pin Delay	SDA9189X (PinP) Slv:D6H
5A	POH	00-FF	14	H Position(MSB8bit)	
5B	POV	00-FF	27	V Position	
5C	**PMD**	00-1F	00	Pinp Display Mode	
5D	**WRP**	00-0F	00	Write Position	
5E	HDL	00-1F	0B	HSI Delay	
5F	**AMS**	00-01	00	Decimation Filter	
60	**VDL**	00-1F	0B	VSI Delay	
61	**VSP**	00-1F	06	VSP Delay	
62	CON	00-0F	06	Contrast	
63	**FRY**	00-0F	09	Frame Y	
64	**FRV**	00-0F	00	Frame V	
65	**FRU**	00-0F	00	Frame U	
66	**INF**	00-01	01	Inner Frame	
67	**FWV**	00-03	02	Frame Width V	
68	**FWH**	00-07	07	Frame Width H	
69	**PLL**	00-03	02	PLL Loop Filter	
6A	**PDV**	00-0F	00	Pedestal V	
6B	**PDU**	00-0F	00	Pedestal U	
6C	**DAT**	00-01	00	DAC Stream Control	
6D	**DAN**	00-01	00	DAC Control	
6E	**WIP**	00-01	00	Wipe on/off	
6F	**WSP**	00-03	00	Wipe Speed	

Note: Bold items are fixed data.

5-3. PICTURE QUALITY ADJUSTMENTS

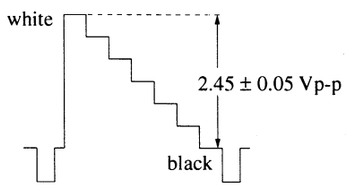
Item Number 33-36

33 SCO Sub-Color
34 SHU Sub-Hue
35 SBR Sub-Bright

5-4. A BOARD ADJUSTMENT

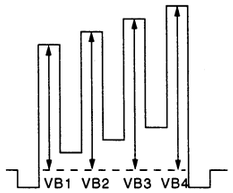
SUB CONTRAST ADJUSTMENT (SCN)

1. Receive a PAL color-bar.
2. Set service item 3E GON and 3F BON to data "00". Set the PICTURE 100%, BRIGHT 50% and COLOR MIN.
3. Connect an oscilloscope to the pin ⑥ (R OUT) of CN117, A board.
4. Set to Service Mode and select 32 (SCN) using [1] and [4] of the commander to adjust to 2.10 ± 0.05V.
5. Press [MUTING] → [0] of the commander to write the data.
6. Receive a NTSC color-bar and adjust 32 (SCN) as step 2~5.
7. Set servce item 3E GON and 3F Bon to data "01".



SUB COLOR ADJUSTMENT (SCO)

1. select Video1
2. Input a NTSC color-bar, video into video1.
   Set to the following condition:
   PIC 100%, BRT 50%, COL 50%
3. Connect an oscilloscope to the pin ⑤ (B OUT) of CN117, A board.
4. Set to Service Mode and select 33 (SCO) with [1] and [4] of the commander to adjust to VB2=VB3=VB4 with [3] and [6].
5. Press [MUTING] → [0] of the commander to write the data.
6. Adjust 33 (SCO) as step 1~4 when receiving NTSC color-bar.

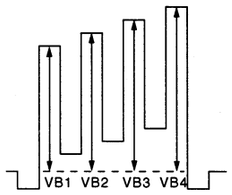


VB2 = VB3 = VB4

7. [Receive] the NTSC color-bar and adjust as step 6.

SUB HUE ADJUSTMENT (SHU)

1. select Video1
2. Input a NTSC color-bar, video into video1.
3. Connect an oscilloscope to the pin ④ (B OUT) of CN117, A board.
4. Select 34 (SHU) with [1] and [4] of the commandar by setting to Service Mode and adjust to VB1=VB2=VB3=VB4 with [3] and [6].



VB2 = VB3 = VB4

5. Press [MUTING] → [0] of the commander to write the data.
6. Set to WIDE Mode by [MENU] button to write the same value as in step 3.

PIP POSITION (POH, POV)

1. Receive a PAL color-bar.
2. Set the PIP picture by pressing [PIP] button of the commander.
3. Set to Service Mode.
4. Select 5A (POH) with the [1] and [4] of the commander to set the data "14" with [3] and [6].
5. Select 5B (POV) to set the data "27"
6. Press [MUTING] → [0] of the commander to write the data.
7. Check by changing using menu .

5-5. A BOARD ADJUSTMENT AFTER IC003 (MEMORY) REPLACEMENT

When replacing IC003(MEMORY) be sure to change IC001(μ-COM) to the following new IC at the same time.

IC001 (μ-COM)

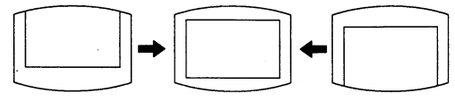
- **GE, EM, E, HK model**
  CXP85340A-072S to CXP85340A-099S (8-752-880-11)
- **ME (Arabic) model**
  CXP85340A-084S to CXP85340A-098S (8-752-879-23)

1. Enter to Service Mode.
2. Press commander buttons [5] and [0] (Data Initialize), and [2] and [0] (Data Copy) to initialize the data.
3. Call each item number, and check if the respective screen shows the normal picture.
   In cases where items are not well adjusted, rectify the items with fine adjustment.
   Write the data per each item number ([MUTING] +[0]).
4. Select item numbers "95" (OP0) and "96" (OP1) and respectively set the bit per model with command buttons [3] and [6].
5. Press commander buttons [8] and [0] (Test Normal) to return to the data that was set on the shipment from the factory.
   (This will also cancel Service Mode.)

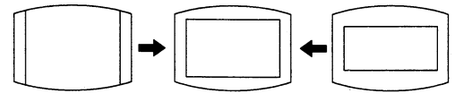
5-6. PICTURE DISTORTION ADJUSTMENT

Item Number 00 – 0B

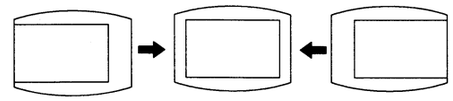
00 VSH(V POSITION)



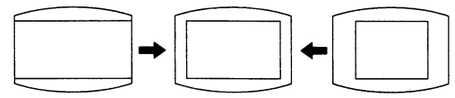
01 VSZ(V SIZE)



02 HSH(H POSITION)

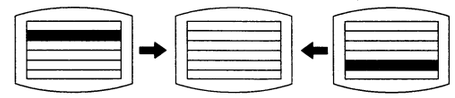


03 HSZ (H SIZE)

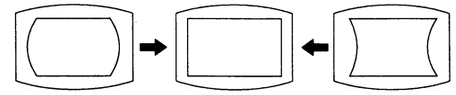


04 SCR(VERTICAL Scorrection)

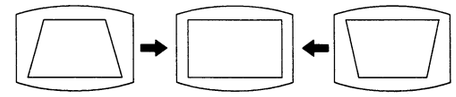
05 VLN(V LINEARITY)



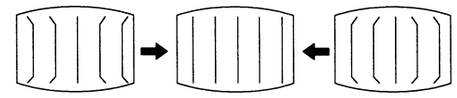
06 PAP (PIN AMP)



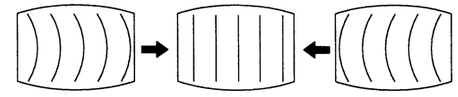
07 PPH(PIN PHASE)



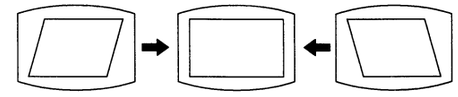
08 UCP(Upper Corner Pin)
09 LCP(Lower Corner Pin)



0A VBOW(AFC.BOW)



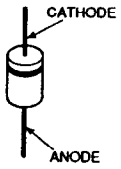
0B VAG(AFC.ANGLE)



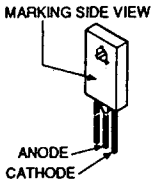
6-5. SEMICONDUCTORS

DIODE

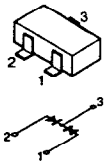
D1L20
EGP20G
EL1Z
GP08D
HSS83TD
RD5.1ES
RGP02-20EL



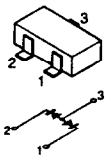
D5LC20U



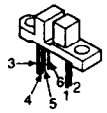
DAL202K



DAN202K

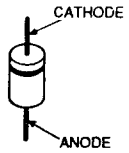


ERA33-06

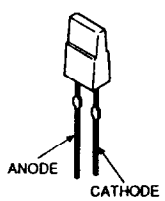


1. ANODE 3. GND 5. Vo1
2. CATHODE 4. Vo2 6.Vcc

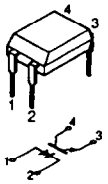
ERD29-08J



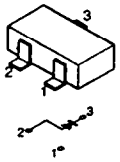
LN31GP



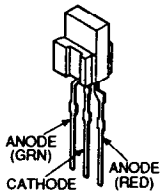
ON3171R



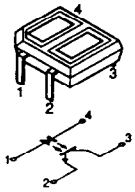
RD5.6ES-B1
RD5.6ES-B2
RD5.6M-B2
RD3.6M-B2



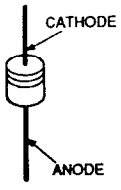
SPB-26MVWF



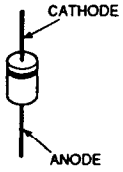
1N4148M



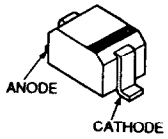
1SS119-25
RD33ES-B2
RD39ES-B2
RD4.7ESB2
RD6.8ES-B1
RD7.5ES-B1
RD8.2ES-B2
RD9.1ES-L



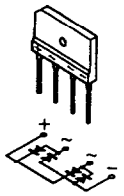
1SS133T-77
ERC06-159
RU4AM-T3
S3L20UF4



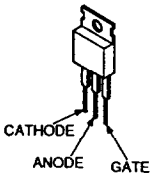
1SS352
MA111



1SS355
D4B60L

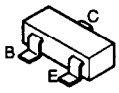


5P-6M
TF541M



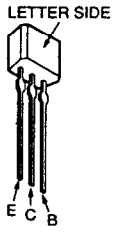
TRANSISTOR

DTA144EK
DTA144EKA
DTC114EK
DTC124EK
DTC124EKA
RN1402
RN1403
RN1404
RN2402
UN2111
UN2113
UN2211
UN2212
UN2213
2SA1037AK
2SA1162-G
2SA1163-L5L6
2SA1576A
2SC1623-L5L6
2SC2712-YG
2SC4793
2SD601A-QRT



2SA1091-0

2SA1175-HFE
2SA933AS-QRT
2SC2785-HFE

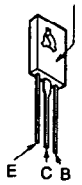


2SA1315-Y

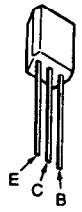
2SA1837
2SD2394

2SC3601
2SC3840K
2SC2688-LK

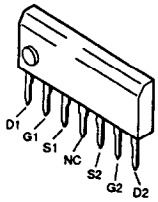
LETTER SIDE



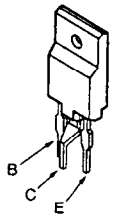
2SC2458-YGR
RN1202



2SC4927-01

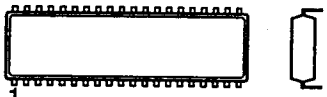


2SD1640Q



IC

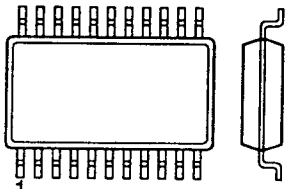
AN5342K
AT24C08A
CXA2050S
CXA1855S
CXP85340A
M5216P
MC140523
MSP3410B
P83C654
SAA5281ZP
ST24C08FB6
ST24D08CB1
TDA4665T-T
TDA8424
TDA9160A
UPC358C
UPC393C
UPC4558G2
UPC574J
XR1071CP



TOP VIEW

Dual In-line Package
Pin 6 ~ 98

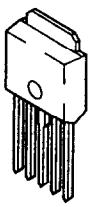
BA7606F
CXA1315M
NJM2903D
SDA9187-2XGEG
SDA9189XGEG
TDA8395T
TDA9170



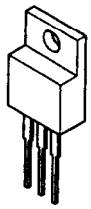
TOP VIEW

Small Outline L-leaded Package
Pin 8 ~ 98

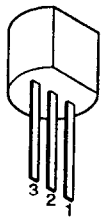
L78LR05D-MA



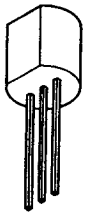
NJM7805FA
NJM78M09FA
TA7805FA
TA7805S
TA7808S
TA7812S



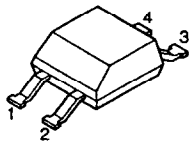
NJM78L05A
TA78L09S



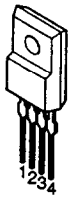
NJM78L12A



PC123

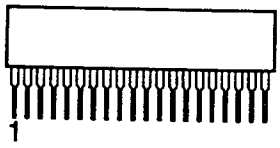


PQ05RF2



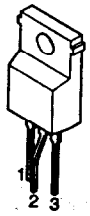
SBX1981-11
SBX1856

MARKING SIDE VIEW



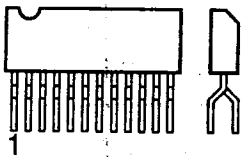
Single In-line Package
Pin 6 ~ 99

SE135N



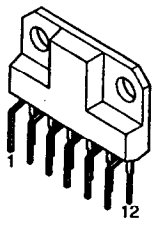
STR-S6709
TDA6101Q

MARKING SIDE VIEW

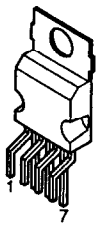


Zig-zag In-line Package
Pin 6 ~ 99

TA8200A



TDA8172



SECTION 7
EXPLODED VIEWS

The componants identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

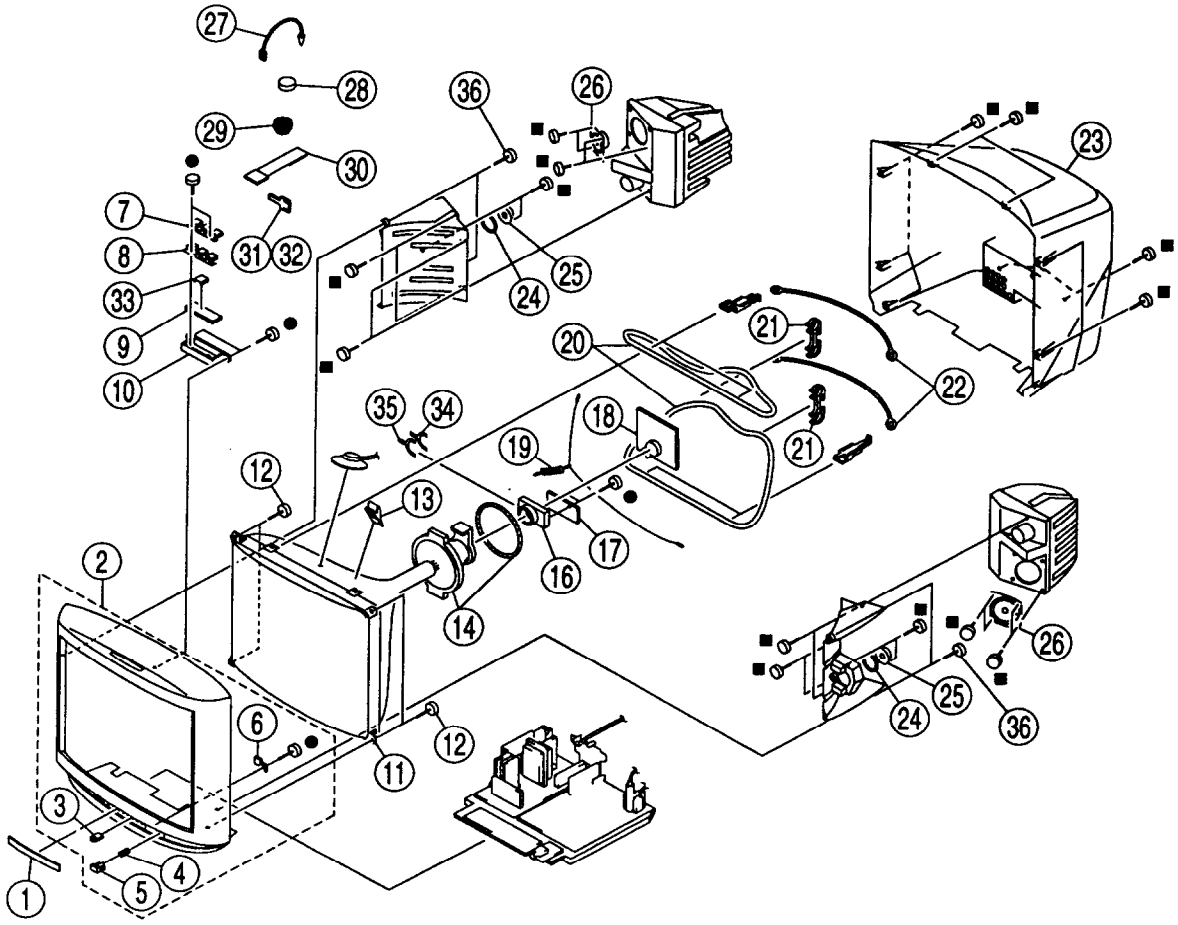
Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

7-1. PICTURE TUBE

● 7-685-648-79 +BVTP 3X12
■ 7-685-663-71 +BVTP 4X16

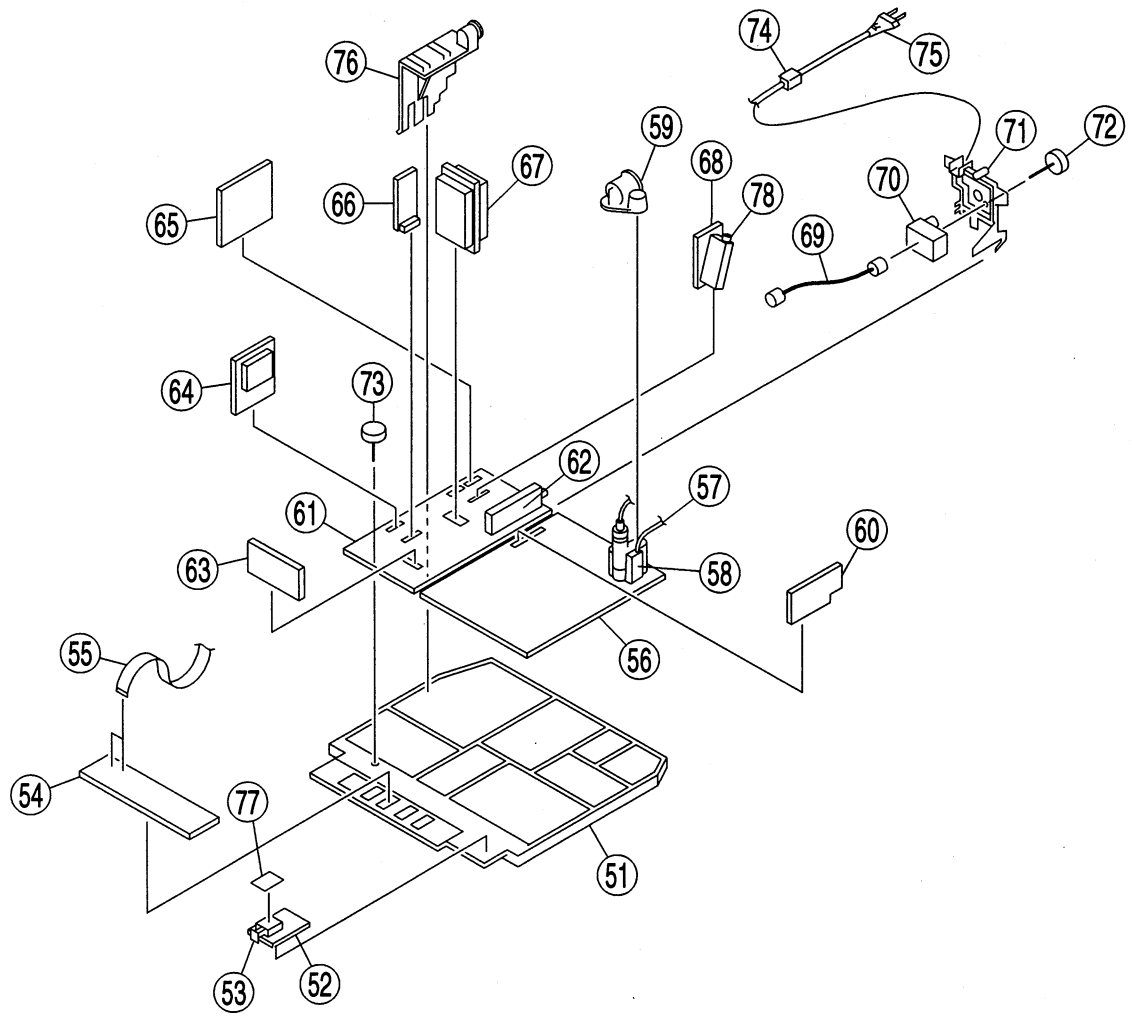


REF. NO.	PART NO.	DESCRIPTION	REMARK
1	4-054-289-01	DOOR, CONTROL (EXCEPT E29MF1(E))	
	4-054-289-21	DOOR, CONTROL (E29MF1(E) ONLY)	
2	X-4033-718-1	BEZNET ASSY	3-6
3	4-627-936-01	LOCK, MINIATURE SIDE	
4	4-036-405-11	SPRING, COMPRESSION	
5	4-054-300-01	BUTTON, POWER	
6	4-054-288-01	BAR, OPTICAL	
7	4-054-291-01	BUTTON (UPPER), H4 PC BOARD	
8	4-054-293-01	BUTTON (LOWER), H4 PC BOARD	
9	* A-1372-256-A	H4 BOARD, COMPLETE	
10	* 4-054-292-01	BRACKET, H4 PC BOARD	
11	⚠ 8-733-868-05	PICTURE TUBE (M68KZT71X) (E29MF1/E29MH1/E29MH11)	
	⚠ 8-733-869-05	PICTURE TUBE (M68KZT71X) (FOR OE) (E29MF1S/E29MN11)	
12	4-046-765-01	SCREW, TAPPING	
13	4-046-600-11	SPACER, DY	
14	⚠ 8-451-467-21	DEFLECTION YOKE (Y29GXA2-S)	
16	⚠ 1-452-762-31	NECK ASSEMBLY NA294	
17	* A-1342-305-A	VM BOARD, COMPLETE	
18	* A-1331-564-A	C1 BOARD, COMPLETE	
19	4-369-318-61	SPRING, TENSION	
20	⚠ 1-403-672-12	COIL, DEMAGNETIZATION	
21	* 4-054-297-01	HOLDER, DEGAUSSING COIL	
22	4-043-827-11	BAND, DEGAUSSING COIL	
23	X-4034-046-1	COVER ASSY, REAR	
24	3-682-057-21	SPACER (SMALL)	
25	1-505-474-11	SPEAKER (5CM)	
26	1-505-473-11	SPEAKER (12CM)	
27	4-308-870-00	CLIP, LEAD WIRE	
28	1-452-032-00	MAGNET,DISK ; 10mm ϕ	
29	1-452-094-00	MAGNET,ROTATABLE DISK ; 15mm ϕ	
30	4-051-734-21	PIECE B(120), CONV. CORRECT	
31	4-034-272-01	PLATE, CORRECTION, TLV	
32	4-034-272-11	PLATE, CORRECTION, TLV	
33	* 4-055-153-01	COVER, H4 PC BOARD TERMINAL	
34	1-452-278-22	MAGNET, PURITY	
35	1-452-278-32	MAGNET, PURITY	
36	4-302-404-03	SCREW (WASHER HEAD) (+P 4X16)	

7-2. CHASSIS

The componants identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.



REF. NO.	PART NO.	DESCRIPTION	REMARK
51	* 4-055-140-01	BRACKET, MAIN	
52	* A-1241-253-A	F1 BOARD, COMPLETE	
53	⚠ 1-571-433-21	SWITCH, PUSH (AC POWER)	
54	* A-1372-255-A	H2 BOARD, COMPLETE	
55	1-777-353-11	CABLE, FLAT	
56	* A-1346-507-A	D BOARD, COMPLETE (EXCEPT E29MH1)	
	* A-1346-560-A	D BOARD, COMPLETE (E29MH1 ONLY)	
57	1-900-223-54	LEAD ASSY, FOCUS	
58	⚠ 1-453-226-11	FBT ASSY (NX-4122//M3I4)	
59	* 4-055-139-01	HOLDER, FBT	
60	* A-1343-223-A	DF BOARD, COMPLETE	
61	* A-1297-859-A	A BOARD, COMPLETE (E29MH11(E)/E29MN11)	
	* A-1297-959-A	A BOARD, COMPLETE (E29MH1)	
	* A-1297-960-A	A BOARD, COMPLETE (E29MH11(ME))	
	* A-1297-973-A	A BOARD, COMPLETE (E29MF1(E)/E29MF1S)	
	* A-1297-984-A	A BOARD, COMPLETE (E29MF1(ME))	
62	⚠ 8-598-373-00	TUNER BTF-FG431 (KV-E29MF1S/E29MF1)	
	⚠ 8-598-372-00	TUNER BTF-FG441 (KV-E29MN11/E29MH11/E29MH1(HK))	
63	* A-1131-243-A	B1 BOARD, COMPLETE	
64	* A-1347-118-A	V1 BOARD, COMPLETE (E29MH11/E29MN11 ONLY)	

REF. NO.	PART NO.	DESCRIPTION	REMARK
65	* A-1195-108-A	P1 BOARD, COMPLETE (E29MH11/E29MN11)	
	* A-1195-113-A	P1 BOARD, COMPLETE (E29MF1/E29MF1S/E29MH1)	
66	* A-1390-616-A	S BOARD, COMPLETE	
67	* A-1297-860-A	A3 BOARD, COMPLETE (E29MH1/E29MH11/E29MN11 ONLY)	
68	* A-1190-248-A	P2 BOARD, COMPLETE	
69	* 1-555-110-00	CABLE, P-P	
70	1-251-447-11	DISTRIBUTOR, RF	
71	4-055-141-01	BRACKET, TERMINAL	
72	4-382-854-01	SCREW (M3X8), P, SW (+)	
73	4-046-797-01	SCREW (3X12), (+)BVTAP	
74	4-022-115-00	HOLDER, AC CORD	
75	⚠ 1-574-062-52	CORD, POWER (WITH CONNECTOR) (EXCEPT E29MH1/E29MN11(GE))	
75	⚠ 1-696-401-11	CORD, POWER (WITH CONNECTOR) (E29MN11(GE) ONLY)	
75	⚠ 1-769-609-11	CORD, POWER (WITH CONNECTOR) (E29MH1 ONLY)	
76	* 4-055-142-01	HOLDER, PCB	
77	* 4-055-447-01	SHEET, INSULATING	
78	⚠ 8-598-373-00	TUNER BTF-FG431	

SECTION 8
ELECTRICAL PARTS LIST

B1

NOTE:

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The componants identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- The components identified by ⧓ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS
- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

- CAPACITORS
  PF : μμ F
- There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

REF. NO.	PART NO.	DESCRIPTION			REMARK
	*A-1131-243-A	B1 BOARD, COMPLETE **********			
		<CAPACITOR>			
C3301	1-104-664-11	ELECT	47MF	20%	25V
C3302	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C3303	1-164-346-11	CERAMIC CHIP	1MF		16V
C3304	1-164-346-11	CERAMIC CHIP	1MF		16V
C3305	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C3306	1-164-346-11	CERAMIC CHIP	1MF		16V
C3307	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3308	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C3309	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3310	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C3311	1-163-989-11	CERAMIC CHIP	0.033MF	10%	25V
C3312	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3313	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3314	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3315	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3316	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3317	1-104-664-11	ELECT	47MF	20%	25V
C3318	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3319	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3320	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C3321	1-124-910-11	ELECT	47MF	20%	50V
C3322	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3323	1-126-965-11	ELECT	22MF	20%	50V
C3324	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3325	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3326	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
C3327	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
C3328	1-126-963-11	ELECT	4.7MF	20%	50V
C3329	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3330	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3331	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3332	1-163-125-00	CERAMIC CHIP	220pF	5%	50V
C3333	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3334	1-124-902-00	ELECT	0.47MF	20%	50V
C3335	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3336	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C3337	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3338	1-163-125-00	CERAMIC CHIP	220pF	5%	50V
C3342	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C3343	1-124-907-11	ELECT	10MF	20%	50V
C3344	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C3345	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C3346	1-163-243-11	CERAMIC CHIP	47pF	5%	50V
C3347	1-163-243-11	CERAMIC CHIP	47pF	5%	50V
C3348	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3349	1-124-910-11	ELECT	47MF	20%	50V
C3350	1-124-907-11	ELECT	10MF	20%	50V
C3351	1-164-346-11	CERAMIC CHIP	1MF		16V
C3352	1-164-346-11	CERAMIC CHIP	1MF		16V

REF. NO.	PART NO.	DESCRIPTION	REMARK
		<CONNECTOR>	
CN3301	*1-778-770-11	CONNECTOR,BOARD TO BOARD(PLUG)	
CN3302	*1-564-522-11	PLUG, CONNECTOR 7P	
CN3304	*1-564-519-11	PLUG, CONNECTOR 4P	
CN3305	*1-564-518-11	PLUG, CONNECTOR 3P	
CN3306	*1-564-511-11	PLUG, CONNECTOR 8P	
		<DIODE>	
D3301	8-719-911-19	DIODE 1SS119-25	
		<DELAY LINE>	
DL3301	1-415-953-11	DELAY LINE	
		<IC>	
IC3301	8-759-437-37	IC TDA9170	
IC3302	8-759-437-36	IC AN5342K	
IC3303	8-752-058-68	IC CXA1315M	
		<CHIP CONDUCTOR>	
JR3301	1-216-295-91	CONDUCTOR, CHIP	
JR3302	1-216-295-91	CONDUCTOR, CHIP	
		<COIL>	
L3301	1-408-409-00	INDUCTOR 10UH	
L3302	1-408-411-00	INDUCTOR 15UH	
L3303	1-408-420-00	INDUCTOR 82UH	
L3304	1-408-409-00	INDUCTOR 10UH	
L3305	1-408-420-00	INDUCTOR 82UH	
L3306	1-408-407-00	INDUCTOR 6.8UH	
L3307	1-408-407-00	INDUCTOR 6.8UH	
L3308	1-408-607-31	INDUCTOR 22UH	
L3309	1-408-607-31	INDUCTOR 22UH	
		<TRANSISTOR>	
Q3301	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q3302	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q3304	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q3305	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q3306	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q3307	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q3308	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q3309	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q3310	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q3312	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3313	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q3314	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q3316	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q3317	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q3318	8-729-230-49	TRANSISTOR 2SC2712-YG	

REF. NO.	PART NO.	DESCRIPTION		REMARK
		<RESISTOR>		
R3301	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3302	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3303	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3304	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3305	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3307	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3308	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3309	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3312	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3313	1-216-295-91	CONDUCTOR, CHIP		
R3314	1-216-295-91	CONDUCTOR, CHIP		
R3315	1-216-295-91	CONDUCTOR, CHIP		
R3325	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3326	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3327	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3328	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3329	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3330	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3331	1-216-047-91	METAL GLAZE 820	5%	1/10W
R3332	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3333	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3334	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3335	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3336	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3337	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3338	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3339	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3340	1-216-047-91	METAL GLAZE 820	5%	1/10W
R3341	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3342	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3343	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R3344	1-216-063-91	METAL GLAZE 3.9K	5%	1/10W
R3345	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R3346	1-216-063-91	METAL GLAZE 3.9K	5%	1/10W
R3347	1-216-063-91	METAL GLAZE 3.9K	5%	1/10W
R3348	1-216-063-91	METAL GLAZE 3.9K	5%	1/10W
R3349	1-216-063-91	METAL GLAZE 3.9K	5%	1/10W
R3351	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W
R3352	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R3353	1-216-075-00	METAL GLAZE 12K	5%	1/10W
R3354	1-216-037-00	METAL GLAZE 330	5%	1/10W
R3355	1-216-029-00	METAL GLAZE 150	5%	1/10W
R3357	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W
R3358	1-216-029-00	METAL GLAZE 150	5%	1/10W
R3359	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R3360	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3361	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3362	1-216-045-00	METAL GLAZE 680	5%	1/10W
R3363	1-216-035-00	METAL GLAZE 270	5%	1/10W
R3364	1-216-061-00	METAL GLAZE 3.3K	5%	1/10W
R3365	1-216-043-91	METAL GLAZE 560	5%	1/10W
R3366	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W
R3367	1-216-037-00	METAL GLAZE 330	5%	1/10W
R3372	1-216-689-11	METAL GLAZE 39K	5%	1/10W
R3373	1-216-689-11	METAL GLAZE 39K	5%	1/10W
R3374	1-216-061-00	METAL GLAZE 3.3K	5%	1/10W
R3375	1-216-069-00	METAL GLAZE 6.8K	5%	1/10W
R3376	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3377	1-216-115-00	METAL GLAZE 560K	5%	1/10W
R3378	1-216-063-91	METAL GLAZE 3.9K	5%	1/10W
R3379	1-216-295-91	CONDUCTOR, CHIP		
R3381	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W
R3384	1-216-095-00	METAL GLAZE 82K	5%	1/10W
R3385	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3386	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3390	1-216-039-00	METAL GLAZE 390	5%	1/10W
R3391	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3392	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3393	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R3394	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3396	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3397	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3398	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R3399	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R3401	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3402	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3403	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3404	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3405	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R3406	1-216-689-11	METAL GLAZE 39K	5%	1/10W
R3407	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3408	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3409	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3410	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R3411	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3412	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R3413	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3414	1-216-017-91	METAL GLAZE 47	5%	1/10W
R3415	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R3417	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R3418	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R3419	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R3420	1-216-077-00	METAL GLAZE 15K	5%	1/10W

****

* A-1190-248-A P2 BOARD, COMPLETE
****

4-382-854-01 SCREW (M3X8), P, SW (+)

<CAPACITOR>

C2466	1-102-129-00	CERAMIC	0.01MF	10%	50V
C2467	1-104-665-11	ELECT	100MF	20%	25V
C2468	1-102-129-00	CERAMIC	0.01MF	10%	50V
C2469	1-102-129-00	CERAMIC	0.01MF	10%	50V
C2470	1-102-129-00	CERAMIC	0.01MF	10%	50V
C2474	1-102-129-00	CERAMIC	0.01MF	10%	50V
C2475	1-102-129-00	CERAMIC	0.01MF	10%	50V
C2476	1-136-173-00	FILM	0.47MF	5%	50V
C2478	1-102-129-00	CERAMIC	0.01MF	10%	50V
C2479	1-124-122-11	ELECT	100MF	20%	50V
C2480	1-102-129-00	CERAMIC	0.01MF	10%	50V
C2481	1-104-665-11	ELECT	100MF	20%	16V
C2482	1-102-129-00	CERAMIC	0.01MF	10%	50V
C2483	1-128-551-11	ELECT	22MF	20%	25V
C2484	1-128-551-11	ELECT	22MF	20%	25V
C2485	1-104-665-11	ELECT	100MF	20%	16V
C2486	1-102-129-00	CERAMIC	0.01MF	10%	50V
C2487	1-102-129-00	CERAMIC	0.01MF	10%	50V

<CONNECTOR>

CN2401 * 1-766-953-11 CONNECTOR, BOARD TO BOARD 15P

<IC>

IC2410 8-759-708-05 IC NJM78L05A
IC2411 8-759-701-59 IC NJM78M09FA

<COIL>

L2400 1-408-409-00 INDUCTOR 10UH
L2401 1-408-409-00 INDUCTOR 10UH

P2 P1

REF. NO.	PART NO.	DESCRIPTION				REMARK
L2402	1-408-409-00	INDUCTOR 10UH				
L2403	1-408-409-00	INDUCTOR 10UH				
L2404	1-408-409-00	INDUCTOR 10UH				
		<TRANSISTOR>				
Q2417	8-729-119-78	TRANSISTOR 2SC2785-HFE				
		<RESISTOR>				
R2459	1-249-417-11	CARBON	1K	5%	1/4W	
R2462	1-249-417-11	CARBON	1K	5%	1/4W	
R2463	1-215-880-00	METAL OXIDE	10	5%	2W	F
R2471	1-249-417-11	CARBON	1K	5%	1/4W	
R2472	1-249-417-11	CARBON	1K	5%	1/4W	
R2473	1-247-807-31	CARBON	100	5%	1/4W	
R2478	1-247-807-31	CARBON	100	5%	1/4W	
R2479	1-247-807-31	CARBON	100	5%	1/4W	
		<TUNER>				
TU2400	8-598-373-00	TUNER BTF-FG431				

****

* A-1195-108-A P1 BOARD, COMPLETE
****
(KV-E29MH11/E29MN11)

* A-1195-113-A P1 BOARD, COMPLETE
****
(KV-E29MF1/E29MF1S/E29MH1)

<CAPACITOR>

C1401	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	
C1402	1-124-903-11	ELECT	1MF	20%	50V	
C1403	1-164-346-11	CERAMIC CHIP	1MF		16V	
C1404	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V	
C1405	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	
C1406	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V	
C1407	1-163-231-11	CERAMIC CHIP	15pF	5%	50V	
C1408	1-163-231-11	CERAMIC CHIP	15pF	5%	50V	
C1409	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1410	1-164-346-11	CERAMIC CHIP	1MF		16V	
C1411	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1412	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1413	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1414	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1415	1-104-665-11	ELECT	100MF	20%	16V	
C1416	1-104-664-11	ELECT	47MF	20%	25V	
C1417	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1418	1-163-001-11	CERAMIC CHIP	220pF	10%	50V	
C1419	1-164-005-11	CERAMIC CHIP	0.47MF		25V	
C1420	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1421	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1422	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1423	1-104-664-11	ELECT	47MF	20%	25V	
C1426	1-163-121-00	CERAMIC CHIP	150pF	5%	50V	
C1427	1-164-005-11	CERAMIC CHIP	0.47MF		25V	
C1428	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1429	1-104-665-11	ELECT	100MF	20%	16V	
C1431	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1432	1-124-907-11	ELECT	10MF	20%	50V	(E29MH11/E29MN11)
C1434	1-126-963-11	ELECT	4.7MF	20%	50V	(E29MH11/E29MN11)
C1437	1-164-346-11	CERAMIC CHIP	1MF		16V	
C1438	1-164-346-11	CERAMIC CHIP	1MF		16V	
C1439	1-164-346-11	CERAMIC CHIP	1MF		16V	
C1440	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1441	1-126-933-11	ELECT	100MF	20%	10V	
C1442	1-164-343-11	CERAMIC CHIP	0.056MF	10%	25V	
C1443	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V	
C1444	1-124-903-11	ELECT	1MF	20%	50V	
C1445	1-124-903-11	ELECT	1MF	20%	50V	
C1446	1-124-903-11	ELECT	1MF	20%	50V	
C1447	1-126-933-11	ELECT	100MF	20%	10V	
C1448	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1449	1-163-251-11	CERAMIC CHIP	100pF	5%	50V	
C1450	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1451	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1452	1-163-251-11	CERAMIC CHIP	100pF	5%	50V	
C1453	1-126-933-11	ELECT	100MF	20%	10V	
C1455	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1456	1-164-346-11	CERAMIC CHIP	1MF		16V	
C1457	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1459	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1461	1-163-251-11	CERAMIC CHIP	100pF	5%	50V	
C1462	1-163-235-11	CERAMIC CHIP	22pF	5%	50V	
C1463	1-163-237-11	CERAMIC CHIP	27pF	5%	50V	
C1464	1-126-933-11	ELECT	100MF	20%	10V	
C1465	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1467	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1468	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1470	1-163-031-11	CERAMIC CHIP	0.01MF		50V	
C1471	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1472	1-163-249-11	CERAMIC CHIP	82pF	5%	50V	
C1473	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1474	1-126-933-11	ELECT	100MF	20%	10V	
C1475	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1476	1-126-933-11	ELECT	100MF	20%	10V	
C1477	1-126-963-11	ELECT	4.7MF	20%	50V	(E29MH11/E29MN11)
C1478	1-164-346-11	CERAMIC CHIP	1MF		16V	(E29MH11/E29MN11)
C1479	1-163-133-00	CERAMIC CHIP	470pF	5%	50V	
C1480	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1481	1-163-251-11	CERAMIC CHIP	100pF	5%	50V	
C1482	1-163-038-91	CERAMIC CHIP	0.1MF		25V	(E29MH11/E29MN11)
C1483	1-164-346-11	CERAMIC CHIP	1MF		16V	(E29MH11/E29MN11)
C1484	1-163-038-91	CERAMIC CHIP	0.1MF		25V	(E29MH11/E29MN11)
C1485	1-163-038-91	CERAMIC CHIP	0.1MF		25V	(E29MH11/E29MN11)
C1486	1-124-907-11	ELECT	10MF	20%	50V	(E29MH11/E29MN11)
C1488	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1489	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C1493	1-104-665-11	ELECT	100MF	20%	16V	
C1494	1-104-665-11	ELECT	100MF	20%	16V	
C1496	1-163-243-11	CERAMIC CHIP	47pF	5%	50V	(E29MH11/E29MN11)

<CONNECTOR>

CN401	1-766-924-11	CONNECTOR, BOARD TO BOARD 10P	
CN402	1-766-924-11	CONNECTOR, BOARD TO BOARD 10P	
CN403	*1-564-508-11	PLUG, CONNECTOR 5P	(E29MH11/E29MN11)

<CHIP CONDUCTOR>

JR1	1-216-295-91	CONDUCTOR, CHIP	(E29MF1/E29MF1S/E29MH1)
JR2	1-216-295-91	CONDUCTOR, CHIP	(E29MF1/E29MF1S/E29MH1)

REF. NO.	PART NO.	DESCRIPTION	REMARK
JR3	1-216-295-91	CONDUCTOR, CHIP	(E29MF1/E29MF1S/E29MH1)
		<FERRITE BEAD>	
FB1401	1-412-911-11	INDUCTOR, FERRITE BEAD	
FB1405	1-412-911-11	INDUCTOR, FERRITE BEAD	
		<FILTER>	
FL1401	1-236-728-41	ENCAPSULATED COMPONENT	
		<IC>	
IC1401	8-759-183-35	IC TDA9160A	
IC1402	8-759-288-85	IC TDA4665T-T	
IC1403	8-759-278-95	IC BA7606F	
IC1404	8-759-231-55	IC TA7808S	
IC1406	8-759-248-15	IC SDA9187-2XGEG	
IC1407	8-759-338-13	IC SDA9189XGEG	
IC1408	8-759-231-53	IC TA7805S	
IC1409	8-759-231-53	IC TA7805S	
IC1410	8-759-278-95	IC BA7606F (E29MH11/E29MN11)	
		<COIL>	
L1401	1-408-609-41	INDUCTOR 33UH	
L1402	1-412-537-31	INDUCTOR 100UH	
L1403	1-412-537-31	INDUCTOR 100UH	
L1404	1-408-409-00	INDUCTOR 10UH	
L1405	1-408-409-00	INDUCTOR 10UH	
L1406	1-408-409-00	INDUCTOR 10UH	
L1407	1-408-412-00	INDUCTOR 18UH	
L1408	1-408-409-00	INDUCTOR 10UH	
L1409	1-408-409-00	INDUCTOR 10UH	
L1410	1-408-409-00	INDUCTOR 10UH	
L1411	1-408-409-00	INDUCTOR 10UH	
L1412	1-408-409-00	INDUCTOR 10UH	
		<TRANSISTOR>	
Q1401	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1402	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1403	8-729-424-59	TRANSISTOR UN2212	
Q1404	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1405	8-729-900-53	TRANSISTOR DTC114EK	
Q1406	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1407	8-729-900-53	TRANSISTOR DTC114EK	
Q1408	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1409	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1410	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1411	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1412	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1413	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1414	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1415	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1416	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1417	8-729-230-49	TRANSISTOR 2SC2712-YG	(E29MH11/E29MN11)
Q1418	8-729-216-22	TRANSISTOR 2SA1162-G	(E29MH11/E29MN11)
Q1419	8-729-230-49	TRANSISTOR 2SC2712-YG	(E29MH11/E29MN11)
Q1420	8-729-216-22	TRANSISTOR 2SA1162-G	(E29MH11/E29MN11)
Q1421	8-729-230-49	TRANSISTOR 2SC2712-YG	(E29MH11/E29MN11)
Q1422	8-729-216-22	TRANSISTOR 2SA1162-G	(E29MH11/E29MN11)
Q1423	8-729-230-49	TRANSISTOR 2SC2712-YG	(E29MH11/E29MN11)
Q1424	8-729-216-22	TRANSISTOR 2SA1162-G	(E29MH11/E29MN11)
Q1425	8-729-230-49	TRANSISTOR 2SC2712-YG	(E29MH11/E29MN11)
Q1426	8-729-230-49	TRANSISTOR 2SC2712-YG	(E29MH11/E29MN11)
Q1427	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1428	8-729-230-49	TRANSISTOR 2SC2712-YG	(E29MH11/E29MN11)
Q1429	8-729-230-49	TRANSISTOR 2SC2712-YG	(E29MH11/E29MN11)
Q1462	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1463	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1464	8-729-216-22	TRANSISTOR 2SA1162-G	
		<RESISTOR>	
R1401	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1402	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1403	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1404	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R1405	1-216-689-11	METAL GLAZE 39K 5% 1/10W	
R1406	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1407	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1408	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1409	1-216-109-00	METAL GLAZE 330K 5% 1/10W	
R1410	1-216-105-91	METAL GLAZE 220K 5% 1/10W	
R1411	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R1412	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R1413	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1414	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R1416	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1417	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R1418	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R1419	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R1420	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	(E29MH11/E29MN11)
R1421	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R1422	1-216-039-00	METAL GLAZE 390 5% 1/10W	(E29MH11/E29MN11)
R1423	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R1424	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R1426	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
R1427	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R1428	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R1430	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
R1431	1-216-079-00	METAL GLAZE 18K 5% 1/10W	
R1432	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R1433	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1434	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1435	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1436	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R1437	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R1438	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R1439	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1440	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1441	1-216-295-91	CONDUCTOR, CHIP	
R1442	1-216-031-00	METAL GLAZE 180 5% 1/10W	(E29MH11/E29MN11)
R1443	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	(E29MH11/E29MN11)
R1445	1-215-909-11	METAL OXIDE 47 5% 3W F	
R1446	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R1447	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1448	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1449	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R1451	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R1452	1-216-295-91	CONDUCTOR, CHIP	
R1453	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R1454	1-216-049-91	METAL GLAZE 1K 5% 1/10W	

P1 F1 A

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The componants identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION			REMARK
R1455	1-216-049-91	METAL GLAZE 1K	5%	1/10W	
R1456	1-208-778-11	METAL GLAZE 680	0.50%	1/10W	
R1457	1-216-073-00	METAL GLAZE 10K	5%	1/10W (E29MH11/E29MN11)	
R1458	1-208-776-11	METAL GLAZE 560	0.50%	1/10W	
R1459	1-208-801-11	METAL GLAZE 6.2K	0.50%	1/10W	
R1460	1-216-295-91	CONDUCTOR, CHIP			
R1461	1-216-041-00	METAL GLAZE 470	5%	1/10W	
R1462	1-216-073-00	METAL GLAZE 10K	5%	1/10W	
R1463	1-216-063-91	METAL GLAZE 3.9K	5%	1/10W	
R1464	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W	
R1465	1-216-047-91	METAL GLAZE 820	5%	1/10W (E29MH11/E29MN11)	
R1466	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W (E29MH11/E29MN11)	
R1467	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W (E29MH11/E29MN11)	
R1468	1-216-049-91	METAL GLAZE 1K	5%	1/10W (E29MH11/E29MN11)	
R1469	1-216-049-91	METAL GLAZE 1K	5%	1/10W (E29MH11/E29MN11)	
R1470	1-216-105-91	METAL GLAZE 220K	5%	1/10W (E29MH11/E29MN11)	
R1471	1-216-101-00	METAL GLAZE 150K	5%	1/10W (E29MH11/E29MN11)	
R1472	1-216-033-00	METAL GLAZE 220	5%	1/10W (E29MH11/E29MN11)	
R1473	1-216-033-00	METAL GLAZE 220	5%	1/10W (E29MH11/E29MN11)	
R1474	1-216-033-00	METAL GLAZE 220	5%	1/10W (E29MH11/E29MN11)	
R1475	1-216-295-91	CONDUCTOR, CHIP			
R1476	1-216-053-00	METAL GLAZE 1.5K	5%	1/10W	
R1477	1-216-047-91	METAL GLAZE 820	5%	1/10W	
R1478	1-216-047-91	METAL GLAZE 820	5%	1/10W	
R1479	1-208-780-11	METAL GLAZE 820	0.50%	1/10W	
R1480	1-216-053-00	METAL GLAZE 1.5K	5%	1/10W	
R1481	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W (E29MH11/E29MN11)	
R1482	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W (E29MH11/E29MN11)	
R1484	1-216-081-00	METAL GLAZE 22K	5%	1/10W	
R1485	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W (E29MH11/E29MN11)	
R1487	1-216-073-00	METAL GLAZE 10K	5%	1/10W	
R1489	1-216-041-00	METAL GLAZE 470	5%	1/10W (E29MH11/E29MN11)	
R1490	1-216-049-91	METAL GLAZE 1K	5%	1/10W (E29MH11/E29MN11)	
R1491	1-216-049-91	METAL GLAZE 1K	5%	1/10W (E29MH11/E29MN11)	
R1492	1-216-049-91	METAL GLAZE 1K	5%	1/10W (E29MH11/E29MN11)	
R1493	1-216-049-91	METAL GLAZE 1K	5%	1/10W (E29MH11/E29MN11)	
R1494	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W (E29MH11/E29MN11)	
R1495	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W (E29MH11/E29MN11)	
R1496	1-216-049-91	METAL GLAZE 1K	5%	1/10W (E29MH11/E29MN11)	
R1497	1-216-049-91	METAL GLAZE 1K	5%	1/10W (E29MH11/E29MN11)	
R1498	1-216-049-91	METAL GLAZE 1K	5%	1/10W (E29MH11/E29MN11)	
R1499	1-216-049-91	METAL GLAZE 1K	5%	1/10W (E29MH11/E29MN11)	
R1626	1-216-049-91	METAL GLAZE 1K	5%	1/10W	
R1627	1-216-049-91	METAL GLAZE 1K	5%	1/10W	
R1628	1-216-049-91	METAL GLAZE 1K	5%	1/10W	
R1629	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W (E29MH11/E29MN11)	
R1630	1-216-049-91	METAL GLAZE 1K	5%	1/10W (E29MH11/E29MN11)	
R1631	1-216-025-91	METAL GLAZE 100	5%	1/10W	
R1632	1-216-025-91	METAL GLAZE 100	5%	1/10W	
R1633	1-216-025-91	METAL GLAZE 100	5%	1/10W	

<CRYSTAL>

X1401	1-567-504-11	OSCILLATOR, CRYSTAL	
X1402	1-567-505-11	OSCILLATOR, CRYSTAL	
X1403	1-760-095-21	VIBRATOR, CRYSTAL	

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	* A-1241-253-A	F1 BOARD, COMPLETE	
		**********	

<CONNECTOR>

CN1690	* 1-580-844-11	PIN, CONNECTOR (POWER)	
CN1691	* 1-695-292-11	PIN, CONNECTOR (POWER)	

<FUSE>

F1690	⚠1-532-350-11	FUSE, TIME-LAG 4A/250V	
	1-533-223-11	HOLDER, FUSE : F1690	

<SWITCH>

S1690	⚠1-571-433-21	SWITCH, PUSH (AC POWER)	

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	* A-1297-859-A	A BOARD, COMPLETE	
		**********	
			(KV-E29MH11(E)/E29MN11)
	* A-1297-959-A	A BOARD, COMPLETE (KV-E29MH1)	
		**********	
	* A-1297-960-A	A BOARD, COMPLETE	
		**********	
			(KV-E29MH11(ME))
	* A-1297-973-A	A BOARD, COMPLETE	
		**********	
			(KV-E29MF1(E)/E29MF1S)
	* A-1297-984-A	A BOARD, COMPLETE (KV-E29MF1(ME))	
		**********	
	* 4-049-131-01	CASE (A), SHIELD	
	4-382-854-01	SCREW (M3X8), P, SW (+)	
	4-382-854-01	SCREW (M3X8), P, SW (+)	

<CAPACITOR>

C001	1-163-011-11	CERAMIC CHIP	0.0015MF	10%	50V
C002	1-126-965-11	ELECT	22MF	20%	50V
C003	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C004	1-126-961-11	ELECT	2.2MF	20%	50V
C005	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C006	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C007	1-124-902-00	ELECT	0.47MF	20%	50V
C008	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C009	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
C010	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C011	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C012	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C013	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C014	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
C015	1-101-884-00	CERAMIC	56pF	5%	50V
C016	1-101-884-00	CERAMIC	56pF	5%	50V

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REF. NO.	PART NO.	DESCRIPTION				REMARK
C017	1-163-251-11	CERAMIC CHIP	100pF	5%		50V
C018	1-163-099-00	CERAMIC CHIP	18pF	5%		50V
C019	1-163-275-11	CERAMIC CHIP	0.001MF	5%		50V
C020	1-163-125-00	CERAMIC CHIP	220pF	5%		50V
C021	1-163-275-11	CERAMIC CHIP	0.001MF	5%		50V
C022	1-124-122-11	ELECT	100MF	20%		50V
C023	1-163-275-11	CERAMIC CHIP	0.001MF	5%		50V
C024	1-163-125-00	CERAMIC CHIP	220pF	5%		50V
C025	1-163-275-11	CERAMIC CHIP	0.001MF	5%		50V
C026	1-163-251-11	CERAMIC CHIP	100pF	5%		50V
C027	1-163-251-11	CERAMIC CHIP	100pF	5%		50V
C028	1-163-125-00	CERAMIC CHIP	220pF	5%		50V
C029	1-163-125-00	CERAMIC CHIP	220pF	5%		50V
C030	1-163-037-11	CERAMIC CHIP	0.022MF	10%		50V
C031	1-163-243-11	CERAMIC CHIP	47pF	5%		50V
C032	1-163-125-00	CERAMIC CHIP	220pF	5%		50V
C033	1-164-337-11	CERAMIC CHIP	2.2MF			16V
C034	1-164-004-11	CERAMIC CHIP	0.1MF	10%		25V
C035	1-163-009-11	CERAMIC CHIP	0.001MF	10%		50V
C037	1-163-125-00	CERAMIC CHIP	220pF	5%		50V
C038	1-124-122-11	ELECT	100MF	20%		50V
C039	1-163-251-11	CERAMIC CHIP	100pF	5%		50V
C040	1-163-251-11	CERAMIC CHIP	100pF	5%		50V
C041	1-164-004-11	CERAMIC CHIP	0.1MF	10%		25V
C042	1-163-251-11	CERAMIC CHIP	100pF	5%		50V
C043	1-163-125-00	CERAMIC CHIP	220pF	5%		50V
C044	1-163-251-11	CERAMIC CHIP	100pF	5%		50V
C045	1-216-295-91	CONDUCTOR, CHIP				
C046	1-163-251-11	CERAMIC CHIP	100pF	5%		50V
C048	1-163-251-11	CERAMIC CHIP	100pF	5%		50V
C049	1-163-251-11	CERAMIC CHIP	100pF	5%		50V
C050	1-163-251-11	CERAMIC CHIP	100pF	5%		50V
C051	1-163-251-11	CERAMIC CHIP	100pF	5%		50V
C052	1-164-004-11	CERAMIC CHIP	0.1MF	10%		25V
C053	1-164-004-11	CERAMIC CHIP	0.1MF	10%		25V
C054	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C055	1-126-941-11	ELECT	470MF	20%		16V
C056	1-163-011-11	CERAMIC CHIP	0.0015MF	10%		50V
C057	1-163-001-11	CERAMIC CHIP	220pF	10%		50V
C060	1-104-665-11	ELECT	100MF	20%		16V
C061	1-164-004-11	CERAMIC CHIP	0.1MF	10%		25V
C062	1-164-004-11	CERAMIC CHIP	0.1MF	10%		25V
C063	1-104-665-11	ELECT	100MF	20%		16V
C064	1-163-037-11	CERAMIC CHIP	0.022MF	10%		50V
C065	1-163-125-00	CERAMIC CHIP	220pF	5%		50V
C066	1-163-125-00	CERAMIC CHIP	220pF	5%		50V
C067	1-163-125-00	CERAMIC CHIP	220pF	5%		50V
C068	1-163-125-00	CERAMIC CHIP	220pF	5%		50V
C069	1-163-125-00	CERAMIC CHIP	220pF	5%		50V
C072	1-126-941-11	ELECT	470MF	20%		16V
C074	1-163-001-11	CERAMIC CHIP	220pF	10%		50V
C078	1-104-665-11	ELECT	100MF	20%		16V
C079	1-124-910-11	ELECT	47MF	20%		50V
C080	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C081	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C084	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C085	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C086	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C087	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C088	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C089	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C090	1-104-664-11	ELECT	47MF	20%		25V
C091	1-104-664-11	ELECT	47MF	20%		25V
C092	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
					(E29MH11/E29MN11)	
C092	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
						(E29MH1)
C093	1-104-664-11	ELECT	47MF	20%		25V
					(E29MF1/E29MF1S)	

REF. NO.	PART NO.	DESCRIPTION				REMARK
C101	1-124-903-11	ELECT	1MF	20%		50V
C107	1-163-251-11	CERAMIC CHIP	100pF	5%		50V
C108	1-124-557-11	ELECT	1000MF	20%		25V
C109	1-163-017-00	CERAMIC CHIP	0.0047MF	10%		50V
C118	1-126-965-11	ELECT	22MF	20%		50V
C119	1-163-031-11	CERAMIC CHIP	0.01MF			50V
C127	1-164-004-11	CERAMIC CHIP	0.1MF	10%		25V
C128	1-126-963-11	ELECT	4.7MF	20%		50V
C129	1-136-173-00	FILM	0.47MF	5%		50V
C130	1-124-903-11	ELECT	1MF	20%		50V
C133	1-104-664-11	ELECT	47MF	20%		25V
C134	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C135	1-124-902-00	ELECT	0.47MF	20%		50V
C136	1-164-005-11	CERAMIC CHIP	0.47MF			25V
C137	1-163-133-00	CERAMIC CHIP	470pF	5%		50V
C138	1-124-907-11	ELECT	10MF	20%		50V
C139	1-163-231-11	CERAMIC CHIP	15pF	5%		50V
C140	1-124-907-11	ELECT	10MF	20%		50V
C141	1-163-099-00	CERAMIC CHIP	18pF	5%		50V
C142	1-124-902-00	ELECT	0.47MF	20%		50V
C143	1-124-907-11	ELECT	10MF	20%		50V
C145	1-124-907-11	ELECT	10MF	20%		50V
C146	1-163-251-11	CERAMIC CHIP	100pF	5%		50V
C147	1-163-017-00	CERAMIC CHIP	0.0047MF	10%		50V
C148	1-164-346-11	CERAMIC CHIP	1MF			16V
C149	1-164-346-11	CERAMIC CHIP	1MF			16V
C150	1-164-346-11	CERAMIC CHIP	1MF			16V
C151	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C152	1-104-664-11	ELECT	47MF	20%		25V
C153	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C154	1-126-961-11	ELECT	2.2MF	20%		50V
C155	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C156	1-163-017-00	CERAMIC CHIP	0.0047MF	10%		50V
C157	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C158	1-163-017-00	CERAMIC CHIP	0.0047MF	10%		50V
C159	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C160	1-163-031-11	CERAMIC CHIP	0.01MF			50V
C162	1-124-120-11	ELECT	220MF	20%		16V
C163	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C164	1-136-165-00	FILM	0.1MF	5%		50V
C165	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C166	1-136-165-00	FILM	0.1MF	5%		50V
C167	1-104-664-11	ELECT	47MF	20%		25V
C168	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C169	1-137-372-11	FILM	0.022MF	5%		50V
C187	1-137-372-11	FILM	0.022MF	5%		50V
C189	1-126-965-11	ELECT	22MF	20%		50V
C191	1-137-372-11	FILM	0.022MF	5%		50V
C192	1-126-961-11	ELECT	2.2MF	20%		50V
C195	1-124-902-00	ELECT	0.47MF	20%		50V
C198	1-163-009-11	CERAMIC CHIP	0.001MF	10%		50V
C199	1-164-004-11	CERAMIC CHIP	0.1MF	10%		25V
C200	1-164-232-11	CERAMIC CHIP	0.01MF	10%		50V
C206	1-164-004-11	CERAMIC CHIP	0.1MF	10%		25V
C207	1-164-004-11	CERAMIC CHIP	0.1MF	10%		25V
C209	1-164-004-11	CERAMIC CHIP	0.1MF	10%		25V
C210	1-107-823-11	CERAMIC CHIP	0.47MF	10%		16V
C211	1-107-823-11	CERAMIC CHIP	0.47MF	10%		16V
C212	1-104-665-11	ELECT	100MF	20%		16V
C213	1-124-907-11	ELECT	10MF	20%		50V
C214	1-130-495-00	MYLAR	0.1MF	5%		50V
C216	1-104-661-91	ELECT	330MF	20%		16V
C217	1-164-004-11	CERAMIC CHIP	0.1MF	10%		25V
C219	1-104-664-11	ELECT	47MF	20%		25V
C220	1-164-004-11	CERAMIC CHIP	0.1MF	10%		25V
C223	1-164-161-11	CERAMIC CHIP	0.22MF	10%		25V
C224	1-164-161-11	CERAMIC CHIP	0.22MF	10%		25V
C237	1-126-961-11	ELECT	2.2MF	20%		50V
C238	1-126-961-11	ELECT	2.2MF	20%		50V

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REF. NO.	PART NO.	DESCRIPTION			REMARK
C240	1-124-903-11	ELECT	1MF	20%	50V
C241	1-124-607-11	ELECT	2200MF	20%	50V
C242	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C243	1-126-965-11	ELECT	22MF	20%	50V
C244	1-124-607-11	ELECT	2200MF	20%	50V
C245	1-130-495-00	MYLAR	0.1MF	5%	50V
C246	1-126-965-11	ELECT	22MF	20%	50V
C247	1-124-607-11	ELECT	2200MF	20%	50V
C248	1-130-495-00	MYLAR	0.1MF	5%	50V
C249	1-104-661-91	ELECT	330MF	20%	16V
C250	1-104-661-91	ELECT	330MF	20%	16V
C251	1-124-910-11	ELECT	47MF	20%	50V
C264	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C265	1-164-346-11	CERAMIC CHIP	1MF		16V
C266	1-164-346-11	CERAMIC CHIP	1MF		16V
C267	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C268	1-104-665-11	ELECT	100MF	20%	16V
C269	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C270	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C301	1-104-664-11	ELECT	47MF	20%	25V
C302	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C303	1-104-664-11	ELECT	47MF	20%	25V
C304	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C305	1-104-664-11	ELECT	47MF	20%	25V
C325	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
C326	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
C327	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
C363	1-104-664-11	ELECT	47MF	20%	25V
C370	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C374	1-124-910-11	ELECT	47MF	20%	50V
C375	1-124-910-11	ELECT	47MF	20%	50V
C381	1-216-295-91	CONDUCTOR, CHIP			
C420	1-104-664-11	ELECT	47MF	20%	25V
C1201	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C1203	1-104-664-11	ELECT	47MF	20%	25V
C1204	1-104-665-11	ELECT	100MF	20%	16V
C1205	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C1206	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C1207	1-126-966-11	ELECT	33MF	20%	50V
C1208	1-104-664-11	ELECT	47MF	20%	25V
C1209	1-104-664-11	ELECT	47MF	20%	25V
C1210	1-104-664-11	ELECT	47MF	20%	25V
C1211	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C1212	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C1213	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C1214	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C1215	1-164-346-11	CERAMIC CHIP	1MF		16V
C1216	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C1217	1-164-346-11	CERAMIC CHIP	1MF		16V
C1218	1-104-664-11	ELECT	47MF	20%	25V
C1219	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C1220	1-104-664-11	ELECT	47MF	20%	25V
C1226	1-164-346-11	CERAMIC CHIP	1MF		16V
C1227	1-164-346-11	CERAMIC CHIP	1MF		16V
C1228	1-126-941-11	ELECT	470MF	20%	16V
C1229	1-164-346-11	CERAMIC CHIP	1MF		16V
C1230	1-164-346-11	CERAMIC CHIP	1MF		16V
C1231	1-104-664-11	ELECT	47MF	20%	25V
C1232	1-164-346-11	CERAMIC CHIP	1MF		16V
C1233	1-164-346-11	CERAMIC CHIP	1MF		16V
C1234	1-104-664-11	ELECT	47MF	20%	25V
C1235	1-104-664-11	ELECT	47MF	20%	25V
C1236	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C1237	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1238	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1239	1-104-664-11	ELECT	47MF	20%	25V
C1240	1-124-907-11	ELECT	10MF	20%	50V
C1241	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C1242	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1243	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1244	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C1245	1-104-665-11	ELECT	100MF	20%	16V
C1246	1-104-664-11	ELECT	47MF	20%	25V

<CONNECTOR>

CN102	1-569-321-11	SOCKET, CONNECTOR 15P	
CN103	1-569-321-11	SOCKET, CONNECTOR 15P	
CN105	*1-564-506-11	PLUG, CONNECTOR 3P	
CN106	1-764-608-11	CONNECTOR, BOARD TO BOARD 8P	
CN107	1-764-608-11	CONNECTOR, BOARD TO BOARD 8P	
CN108	1-764-608-11	CONNECTOR, BOARD TO BOARD 8P	
CN109	*1-774-183-11	CONNECTOR, BOARD TOBOARD10P	
CN113	*1-770-747-11	CONNECTOR, BOARD TO BOARD 12P	(E29MH11/E29MN11)
CN114	1-766-921-11	CONNECTOR, BOARD TO BOARD 10P	
CN115	1-766-956-11	CONNECTOR, BOARD TO BOARD 15P	
CN116	*1-770-723-11	CONNECTOR, BOARD TO BOARD 8P	
CN117	*1-564-509-11	PLUG, CONNECTOR 6P	
CN118	*1-560-278-21	PLUG, CONNECTOR 4P	
CN120	*1-564-507-11	PLUG, CONNECTOR 4P	
CN121	*1-770-747-11	CONNECTOR, BOARD TO BOARD 12P	
CN124	*1-564-506-11	PLUG, CONNECTOR 3P	
CN125	1-766-921-11	CONNECTOR, BOARD TO BOARD 10P	
CN126	*1-564-510-11	PLUG, CONNECTOR 7P	
CN127	1-695-915-11	TAB (CONTACT)	

<DIODE>

D001	8-719-109-81	DIODE RD4.7ESB2
D002	8-719-988-62	DIODE 1SS355
D003	8-719-988-62	DIODE 1SS355
D005	8-719-908-03	DIODE GP08D
D101	8-719-911-19	DIODE 1SS119-25
D102	8-719-109-81	DIODE RD4.7ESB2
D103	8-719-988-62	DIODE 1SS355
D104	8-719-914-43	DIODE DAN202K
D105	8-719-988-62	DIODE 1SS355
D109	8-719-988-62	DIODE 1SS355
D110	8-719-988-62	DIODE 1SS355
D210	8-719-911-19	DIODE 1SS119-25
D211	8-719-404-49	DIODE MA111
D212	8-719-404-49	DIODE MA111
D218	8-719-914-43	DIODE DAN202K
D301	8-719-988-62	DIODE 1SS355
D303	8-719-914-43	DIODE DAN202K
D352	8-719-109-84	DIODE RD5.1ESB1
D353	8-719-908-03	DIODE GP08D
D1201	8-719-121-24	DIODE RD9.1ESL
D1202	8-719-121-24	DIODE RD9.1ESL
D1203	8-719-121-24	DIODE RD9.1ESL
D1204	8-719-121-24	DIODE RD9.1ESL
D1205	8-719-121-24	DIODE RD9.1ESL
D1208	8-719-121-24	DIODE RD9.1ESL
D1209	8-719-121-24	DIODE RD9.1ESL
D1210	8-719-121-24	DIODE RD9.1ESL
D1211	8-719-121-24	DIODE RD9.1ESL
D1212	8-719-121-24	DIODE RD9.1ESL
D1213	8-719-121-24	DIODE RD9.1ESL
D1214	8-719-121-24	DIODE RD9.1ESL
D1215	8-719-121-24	DIODE RD9.1ESL
D1216	8-719-121-24	DIODE RD9.1ESL
D1217	8-719-121-24	DIODE RD9.1ESL
D1218	8-719-121-24	DIODE RD9.1ESL
D1219	8-719-121-24	DIODE RD9.1ESL
D1220	8-719-121-24	DIODE RD9.1ESL

<IC>

IC001	8-752-873-32	IC CXP85340A-072S	(EXCEPT E29MH11(ME))

REF. NO.	PART NO.	DESCRIPTION	REMARK
IC001	8-752-874-57	IC CXP85340A-084S (E29MH11(ME) ONLY)	
IC002	8-759-805-37	IC L78LR05D-MA	
IC003	8-759-381-52	IC AT24C08A-10PC-B	
IC010	8-759-231-53	IC TA7805S	
IC080	8-759-708-05	IC NJM78L05A	
IC102	8-759-157-40	IC uPC574J	
IC104	8-752-076-87	IC CXA2050S	
IC201	8-759-095-63	IC PQ09RF2	
IC203	8-759-168-24	IC TA8200AH	
IC205	8-759-231-58	IC TA7812S	
IC206	8-759-090-21	IC TDA8424	
IC301	8-742-040-00	MODULE HIC SBX1856-01	
IC302	8-759-708-12	IC NJM78L12A	
IC351	8-759-288-85	IC TDA4665T-T	
IC354	8-759-251-56	IC TDA8395T	
IC1201	8-752-068-46	IC CXA1855S	
IC1202	8-759-100-96	IC uPC4558G2	
		<JACK>	
J1201	1-778-045-11	TERMINAL, S	
J1202	1-778-387-11	JACK BLOCK, PIN 12P	
		<CHIP CONDUCTOR>	
JR20	1-216-295-91	CONDUCTOR, CHIP	
JR21	1-216-295-91	CONDUCTOR, CHIP	
JR22	1-216-295-91	CONDUCTOR, CHIP	
JR23	1-216-295-91	CONDUCTOR, CHIP	
JR001	1-216-295-91	CONDUCTOR, CHIP	
JR002	1-216-295-91	CONDUCTOR, CHIP	
JR005	1-216-295-91	CONDUCTOR, CHIP	
JR007	1-216-295-91	CONDUCTOR, CHIP	
JR008	1-216-295-91	CONDUCTOR, CHIP	
JR009	1-216-295-91	CONDUCTOR, CHIP	
JR010	1-216-295-91	CONDUCTOR, CHIP	
JR018	1-216-295-91	CONDUCTOR, CHIP (E29MH11/E29MN11)	
JR023	1-216-295-91	CONDUCTOR, CHIP	
JR024	1-216-295-91	CONDUCTOR, CHIP	
JR025	1-216-295-91	CONDUCTOR, CHIP	
JR027	1-216-295-91	CONDUCTOR, CHIP	
JR028	1-216-295-91	CONDUCTOR, CHIP	
JR029	1-216-295-91	CONDUCTOR, CHIP	
JR030	1-216-295-91	CONDUCTOR, CHIP	
JR080	1-216-295-91	CONDUCTOR, CHIP	
JR086	1-216-295-91	CONDUCTOR, CHIP	
JR087	1-216-295-91	CONDUCTOR, CHIP	
JR205	1-216-295-91	CONDUCTOR, CHIP	
		<COIL>	
L001	1-408-397-00	INDUCTOR 1UH	
L002	1-408-409-00	INDUCTOR 10UH	
L003	1-408-411-00	INDUCTOR 15UH	
L004	1-408-409-00	INDUCTOR 10UH	
L010	1-410-663-31	INDUCTOR 10UH	
L080	1-408-409-00	INDUCTOR 10UH	
L081	1-408-409-00	INDUCTOR 10UH	
L082	1-408-409-00	INDUCTOR 10UH	
L108	1-408-409-00	INDUCTOR 10UH	
L109	1-408-421-00	INDUCTOR 100UH	
L110	1-408-409-00	INDUCTOR 10UH	
L114	1-408-409-00	INDUCTOR 10UH	
L309	1-408-409-00	INDUCTOR 10UH	
L1201	1-408-412-00	INDUCTOR 18UH	
		<TRANSISTOR>	
Q030	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q031	8-729-216-22	TRANSISTOR 2SA1162-G	
Q033	8-729-901-06	TRANSISTOR DTA144EK	
Q105	8-729-900-53	TRANSISTOR DTC114EK	
Q106	8-729-216-22	TRANSISTOR 2SA1162-G	
Q107	8-729-230-49	TRANSISTOR 2SC2712-YG	(E29MH11/E29MN11)
Q108	8-729-901-01	TRANSISTOR DTC144EK	
Q111	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q112	8-729-900-53	TRANSISTOR DTC114EK	
Q201	8-729-216-22	TRANSISTOR 2SA1162-G	
Q202	8-729-216-22	TRANSISTOR 2SA1162-G	
Q205	8-729-901-01	TRANSISTOR DTC144EK	
Q209	8-729-901-01	TRANSISTOR DTC144EK	
Q210	8-729-901-01	TRANSISTOR DTC144EK	
Q211	8-729-216-22	TRANSISTOR 2SA1162-G	
Q302	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q304	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q320	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q352	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q354	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1201	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1202	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1203	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1204	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1205	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1206	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1207	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1208	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1209	8-729-230-49	TRANSISTOR 2SC2712-YG	
		<RESISTOR>	
R001	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R002	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R003	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R004	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R005	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R006	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R007	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R008	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R009	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R010	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R011	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R012	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R013	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R014	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R017	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R018	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R019	1-216-101-00	METAL GLAZE 150K 5% 1/10W	
R020	1-216-025-91	METAL GLAZE 100 5% 1/10W	(E29MH11/E29MN11)
R021	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R025	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R026	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R027	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R028	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R029	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R030	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R031	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R032	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R033	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R034	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R035	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R036	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R038	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R039	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R040	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R041	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R042	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R043	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R044	1-216-073-00	METAL GLAZE 10K 5% 1/10W	

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REF. NO.	PART NO.	DESCRIPTION			REMARK
R046	1-216-025-91	METAL GLAZE	100	5%	1/10W
R047	1-216-025-91	METAL GLAZE	100	5%	1/10W
R048	1-216-025-91	METAL GLAZE	100	5%	1/10W
R049	1-216-121-91	METAL GLAZE	1M	5%	1/10W
R050	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R051	1-216-394-00	METAL OXIDE	2.7	5%	3W F
R052	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R053	1-216-025-91	METAL GLAZE	100	5%	1/10W
R054	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R055	1-216-095-00	METAL GLAZE	82K	5%	1/10W
R056	1-216-025-91	METAL GLAZE	100	5%	1/10W
R057	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R058	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R059	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R060	1-216-025-91	METAL GLAZE	100	5%	1/10W (E29MH1/E29MH11/E29MN11)
R061	1-216-025-91	METAL GLAZE	100	5%	1/10W
R062	1-216-025-91	METAL GLAZE	100	5%	1/10W
R063	1-216-025-91	METAL GLAZE	100	5%	1/10W
R064	1-216-025-91	METAL GLAZE	100	5%	1/10W
R065	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R069	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R070	1-216-033-00	METAL GLAZE	220	5%	1/10W
R071	1-216-033-00	METAL GLAZE	220	5%	1/10W
R072	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R076	1-216-025-91	METAL GLAZE	100	5%	1/10W
R077	1-216-025-91	METAL GLAZE	100	5%	1/10W
R081	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R090	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R102	1-216-025-91	METAL GLAZE	100	5%	1/10W
R103	1-216-041-00	METAL GLAZE	470	5%	1/10W
R104	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R105	1-216-025-91	METAL GLAZE	100	5%	1/10W
R106	1-216-033-00	METAL GLAZE	220	5%	1/10W
R107	1-216-033-00	METAL GLAZE	220	5%	1/10W
R108	1-216-033-00	METAL GLAZE	220	5%	1/10W
R109	1-216-033-00	METAL GLAZE	220	5%	1/10W
R111	1-216-033-00	METAL GLAZE	220	5%	1/10W
R112	1-216-025-91	METAL GLAZE	100	5%	1/10W
R121	1-208-806-11	METAL GLAZE	10K	0.50%	1/10W
R122	1-216-033-00	METAL GLAZE	220	5%	1/10W
R123	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
R124	1-216-025-91	METAL GLAZE	100	5%	1/10W
R125	1-216-025-91	METAL GLAZE	100	5%	1/10W
R126	1-216-025-91	METAL GLAZE	100	5%	1/10W
R128	1-216-033-00	METAL GLAZE	220	5%	1/10W
R129	1-216-025-91	METAL GLAZE	100	5%	1/10W
R130	1-216-025-91	METAL GLAZE	100	5%	1/10W
R131	1-216-295-91	CONDUCTOR, CHIP			(E29MH11/E29MN11)
R132	1-216-033-00	METAL GLAZE	220	5%	1/10W
R133	1-216-025-91	METAL GLAZE	100	5%	1/10W
R134	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R135	1-216-295-91	CONDUCTOR, CHIP			
R136	1-216-295-91	CONDUCTOR, CHIP			(E29MH11/E29MN11)
R138	1-216-025-91	METAL GLAZE	100	5%	1/10W
R139	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R140	1-216-041-00	METAL GLAZE	470	5%	1/10W (E29MH11/E29MN11)
R142	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R143	1-216-041-00	METAL GLAZE	470	5%	1/10W
R144	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R145	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R146	1-216-025-91	METAL GLAZE	100	5%	1/10W
R148	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R149	1-216-041-00	METAL GLAZE	470	5%	1/10W
R150	1-216-041-00	METAL GLAZE	470	5%	1/10W
R151	1-216-043-91	METAL GLAZE	560	5%	1/10W
R153	1-216-031-00	METAL GLAZE	180	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION			REMARK
R154	1-216-031-00	METAL GLAZE	180	5%	1/10W
R155	1-216-031-00	METAL GLAZE	180	5%	1/10W
R156	1-216-031-00	METAL GLAZE	180	5%	1/10W
R157	1-216-031-00	METAL GLAZE	180	5%	1/10W
R158	1-216-031-00	METAL GLAZE	180	5%	1/10W
R159	1-216-033-00	METAL GLAZE	220	5%	1/10W
R170	1-216-037-00	METAL GLAZE	330	5%	1/10W
R176	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R177	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R178	1-216-025-91	METAL GLAZE	100	5%	1/10W
R180	1-216-033-00	METAL GLAZE	220	5%	1/10W
R181	1-216-033-00	METAL GLAZE	220	5%	1/10W
R182	1-216-033-00	METAL GLAZE	220	5%	1/10W
R184	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R186	1-216-001-00	METAL GLAZE	10	5%	1/10W
R191	1-216-025-91	METAL GLAZE	100	5%	1/10W
R203	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R205	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R207	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R208	1-216-477-11	METAL OXIDE	270	5%	3W F
R209	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R210	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R211	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R213	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R214	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R215	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R244	1-249-413-11	CARBON	470	5%	1/4W
R245	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R246	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R252	1-249-413-11	CARBON	470	5%	1/4W
R253	1-216-386-11	METAL OXIDE	0.56	5%	3W F
R254	1-216-033-00	METAL GLAZE	220	5%	1/10W
R255	1-216-308-00	METAL GLAZE	4.7	5%	1/10W
R258	1-216-033-00	METAL GLAZE	220	5%	1/10W
R259	1-216-308-00	METAL GLAZE	4.7	5%	1/10W
R267	1-216-041-00	METAL GLAZE	470	5%	1/10W
R268	1-216-025-91	METAL GLAZE	100	5%	1/10W
R269	1-216-025-91	METAL GLAZE	100	5%	1/10W
R270	1-216-025-91	METAL GLAZE	100	5%	1/10W
R271	1-216-025-91	METAL GLAZE	100	5%	1/10W
R301	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R303	1-216-001-00	METAL GLAZE	10	5%	1/10W
R304	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R305	1-216-025-91	METAL GLAZE	100	5%	1/10W
R306	1-216-025-91	METAL GLAZE	100	5%	1/10W
R344	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R363	1-216-295-91	CONDUCTOR, CHIP			
R364	1-216-033-00	METAL GLAZE	220	5%	1/10W
R365	1-216-025-91	METAL GLAZE	100	5%	1/10W
R366	1-216-033-00	METAL GLAZE	220	5%	1/10W
R368	1-216-033-00	METAL GLAZE	220	5%	1/10W
R369	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R370	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R801	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1201	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1202	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1203	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1204	1-216-031-00	METAL GLAZE	180	5%	1/10W
R1205	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1206	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R1207	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R1208	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1209	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1210	1-216-031-00	METAL GLAZE	180	5%	1/10W
R1211	1-216-093-00	METAL GLAZE	68K	5%	1/10W
R1212	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1213	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1214	1-216-041-00	METAL GLAZE	470	5%	1/10W
R1215	1-216-025-91	METAL GLAZE	100	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION			REMARK
R1216	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1217	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1218	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1219	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1220	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1221	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1222	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1223	1-216-041-00	METAL GLAZE	470	5%	1/10W
R1224	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1225	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1226	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1227	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1228	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1231	1-216-295-91	CONDUCTOR, CHIP			
R1232	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1233	1-216-039-00	METAL GLAZE	390	5%	1/10W
R1234	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R1235	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1236	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1237	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R1238	1-216-023-00	METAL GLAZE	82	5%	1/10W
R1239	1-216-022-00	METAL GLAZE	75	5%	1/10W
R1240	1-216-022-00	METAL GLAZE	75	5%	1/10W
R1241	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1242	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1243	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1245	1-216-043-91	METAL GLAZE	560	5%	1/10W
R1246	1-216-045-00	METAL GLAZE	680	5%	1/10W
R1247	1-216-048-00	METAL GLAZE	910	5%	1/10W
R1254	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R1255	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1256	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R1257	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1258	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R1259	1-216-021-00	METAL GLAZE	68	5%	1/10W
R1260	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R1261	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R1262	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R1263	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R1264	1-216-022-00	METAL GLAZE	75	5%	1/10W
R1265	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R1266	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R1267	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R1268	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R1269	1-216-022-00	METAL GLAZE	75	5%	1/10W
R1270	1-216-022-00	METAL GLAZE	75	5%	1/10W
R1271	1-216-022-00	METAL GLAZE	75	5%	1/10W
R1272	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1273	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1274	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1275	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1276	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1277	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1278	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1279	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1280	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1281	1-216-023-00	METAL GLAZE	82	5%	1/10W
R1282	1-216-048-00	METAL GLAZE	910	5%	1/10W
R1283	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1284	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1285	1-216-041-00	METAL GLAZE	470	5%	1/10W
R1286	1-216-063-91	METAL GLAZE	3.9K	5%	1/10W
R1287	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1288	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1289	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1290	1-249-389-11	CARBON	4.7	5%	1/4W F
R1291	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1292	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1293	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R1294	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W

<TUNER>

TU001	8-598-372-00	TUNER BTF-FG441 (E29MH1/E29MH11/E29MN11 ONLY)
TU001	8-598-373-00	TUNER BTF-FG431 (E29MF1/E29MF1S ONLY)

<CRYSTAL>

X101	1-577-358-21	VIBRATOR, CERAMIC
X102	1-567-505-11	OSCILLATOR, CRYSTAL
X103	1-567-504-11	OSCILLATOR, CRYSTAL
X104	1-577-611-11	OSCILALTOR, CERAMIC

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* A-1297-860-A A3 BOARD, COMPLETE
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(KV-E29MH1/E29MH11/E29MN11 ONLY)

<CAPACITOR>

C1330	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C1331	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1332	1-163-019-00	CERAMIC CHIP	0.0068MF	10%	50V
C1333	1-126-965-11	ELECT	22MF	20%	50V
C1334	1-163-989-11	CERAMIC CHIP	0.033MF	10%	25V
C1335	1-163-989-11	CERAMIC CHIP	0.033MF	10%	25V
C1336	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C1337	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C1338	1-163-001-11	CERAMIC CHIP	220pF	10%	50V
C1339	1-163-001-11	CERAMIC CHIP	220pF	10%	50V
C1340	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C1341	1-163-019-00	CERAMIC CHIP	0.0068MF	10%	50V
C1342	1-163-131-00	CERAMIC CHIP	390pF	5%	50V
C1343	1-163-131-00	CERAMIC CHIP	390pF	5%	50V
C1344	1-124-907-11	ELECT	10MF	20%	50V
C1345	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1346	1-124-907-11	ELECT	10MF	20%	50V
C1347	1-126-965-11	ELECT	22MF	20%	50V
C1348	1-107-904-11	ELECT	3.3MF	20%	50V
C1349	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1350	1-163-005-11	CERAMIC CHIP	470pF	10%	50V
C1351	1-163-005-11	CERAMIC CHIP	470pF	10%	50V
C1352	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C1353	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1354	1-107-929-11	ELECT	10MF	20%	50V
C1355	1-164-222-11	CERAMIC CHIP	0.22MF		25V
C1356	1-104-664-11	ELECT	47MF	20%	25V
C1357	1-104-760-11	CERAMIC CHIP	0.047MF	10%	50V
C1358	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C1359	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C1360	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C1361	1-163-091-00	CERAMIC CHIP	8pF	0.25pF	50V
C1362	1-163-091-00	CERAMIC CHIP	8pF	0.25pF	50V
C1363	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1364	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1365	1-126-965-11	ELECT	22MF	20%	50V
C1366	1-128-526-11	ELECT	100MF	20%	10V
C1367	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C1368	1-164-222-11	CERAMIC CHIP	0.22MF		25V
C1369	1-163-033-91	CERAMIC CHIP	0.022MF		50V
C1371	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C1373	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C1374	1-163-137-00	CERAMIC CHIP	680pF	5%	50V
C1375	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C1376	1-126-965-11	ELECT	22MF	20%	50V
C1377	1-104-664-11	ELECT	47MF	20%	25V

A3 C1

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The componants identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION			REMARK
C1378	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1379	1-128-526-11	ELECT	100MF	20%	10V
		<CONNECTOR>			
CN1330	1-691-109-11	PLUG (L TYPE) 12P			
		<DIODE>			
D1330	8-719-908-03	DIODE GP08D			
		<FERRITE BEAD>			
FB1330	1-412-911-11	INDUCTOR, FERRITE BEAD			
FB1331	1-412-911-11	INDUCTOR, FERRITE BEAD			
FB1332	1-412-911-11	INDUCTOR, FERRITE BEAD			
FB1333	1-412-911-11	INDUCTOR, FERRITE BEAD			
FB1334	1-412-911-11	INDUCTOR, FERRITE BEAD			
		<FILTER>			
FL1330	1-239-803-11	ENCAPSULATED COMPONENT			
		<IC>			
IC1330	8-759-429-98	IC MSP3410B-PP-F7			
IC1331	8-759-701-75	IC NJM7805FA			
		<COIL>			
L1330	1-410-470-11	INDUCTOR 10UH			
L1331	1-410-470-11	INDUCTOR 10UH			
L1332	1-408-408-00	INDUCTOR 8.2UH			
L1333	1-408-397-00	INDUCTOR 1UH			
L1334	1-408-408-00	INDUCTOR 8.2UH			
		<TRANSISTOR>			
Q1330	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1331	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1332	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1333	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1334	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1335	8-729-230-49	TRANSISTOR 2SC2712-YG			
		<RESISTOR>			
R1331	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R1332	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R1333	1-216-035-00	METAL GLAZE	270	5%	1/10W
R1334	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1335	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R1336	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R1337	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R1338	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R1339	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R1340	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R1341	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1342	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1343	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1344	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1345	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1346	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R1347	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R1348	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1349	1-216-027-00	METAL GLAZE	120	5%	1/10W
R1350	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1351	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1352	1-216-041-00	METAL GLAZE	470	5%	1/10W
R1353	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R1354	1-216-027-00	METAL GLAZE	120	5%	1/10W
R1355	1-216-037-00	METAL GLAZE	330	5%	1/10W
R1356	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R1357	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1358	1-260-306-51	CARBON	15	5%	1/2W
		<CRYSTAL>			
X1330	1-760-094-11	VIBRATOR, CRYSTAL			

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* A-1331-564-A C1 BOARD, COMPLETE
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		<CAPACITOR>			
C702	1-128-551-11	ELECT	22MF	20%	25V
C703	1-104-664-11	ELECT	47MF	20%	25V
C704	1-102-953-00	CERAMIC	18pF	5%	50V
C705	1-102-951-00	CERAMIC	15pF	5%	50V
C706	1-102-960-00	CERAMIC	24pF	5%	50V
C707	1-107-651-11	ELECT	4.7MF	20%	250V
C708	1-124-903-11	ELECT	1MF	20%	50V
C709	1-101-006-00	CERAMIC	0.047MF		50V
C710	1-107-651-11	ELECT	4.7MF	20%	250V
C711	1-107-651-11	ELECT	4.7MF	20%	250V
C712	1-101-006-00	CERAMIC	0.047MF		50V
C714	1-101-006-00	CERAMIC	0.047MF		50V
C715	1-101-006-00	CERAMIC	0.047MF		50V
C716	1-102-157-00	CERAMIC	560pF	10%	500V
C717	1-102-157-00	CERAMIC	560pF	10%	500V
C718	1-102-157-00	CERAMIC	560pF	10%	500V
C719	1-102-074-00	CERAMIC	0.001MF	10%	50V
C720	1-136-627-11	FILM	0.022MF	3%	1KV
C721	1-107-651-11	ELECT	4.7MF	20%	250V
C725	1-107-651-11	ELECT	4.7MF	20%	250V
		<CONNECTOR>			
CN701	* 1-508-766-00	PIN, CONNECTOR (5mm PITCH) 4P			
CN703	* 1-564-509-11	PLUG, CONNECTOR 6P			
CN704	1-695-915-11	TAB (CONTACT)			
		<DIODE>			
D701	8-719-109-96	DIODE RD6.8ESB1			
D705	8-719-911-19	DIODE 1SS119-25			
D707	8-719-911-19	DIODE 1SS119-25			
D709	8-719-051-85	DIODE HSS83TD			
D710	8-719-051-85	DIODE HSS83TD			
D711	8-719-051-85	DIODE HSS83TD			
D712	8-719-908-03	DIODE GP08D			
D713	8-719-109-72	DIODE RD3.9ESB2			
D714	8-719-911-19	DIODE 1SS119-25			
		<IC>			
IC701	8-759-346-42	IC TDA6101Q/N3			
IC702	8-759-346-42	IC TDA6101Q/N3			
IC703	8-759-346-42	IC TDA6101Q/N3			
		<JACK>			
J701	⚠1-540-071-22	SOCKET, PICTURE TUBE			
		<COIL>			
L701	1-410-667-31	INDUCTOR 22UH			

REF. NO.	PART NO.	DESCRIPTION				REMARK
		<TRANSISTOR>				
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE				
		<RESISTOR>				
R701	1-247-807-31	CARBON	100	5%	1/4W	
R702	1-249-417-11	CARBON	1K	5%	1/4W	
R703	1-249-437-11	CARBON	47K	5%	1/4W	
R704	1-215-413-00	METAL	470	1%	1/4W	
R705	1-249-441-11	CARBON	100K	5%	1/4W	
R707	1-215-424-00	METAL	1.3K	1%	1/4W	
R708	1-215-424-00	METAL	1.3K	1%	1/4W	
R709	1-215-424-00	METAL	1.3K	1%	1/4W	
R710	1-215-413-00	METAL	470	1%	1/4W	
R711	1-249-421-11	CARBON	2.2K	5%	1/4W	
R712	1-249-431-11	CARBON	15K	5%	1/4W	
R718	1-249-422-11	CARBON	2.7K	5%	1/4W	
R719	1-249-422-11	CARBON	2.7K	5%	1/4W	
R720	1-249-422-11	CARBON	2.7K	5%	1/4W	
R722	1-249-435-11	CARBON	33K	5%	1/4W	
R725	1-215-903-11	METAL OXIDE	68K	5%	2W	F
R727	1-215-903-11	METAL OXIDE	68K	5%	2W	F
R729	1-215-903-11	METAL OXIDE	68K	5%	2W	F
R731	1-247-752-11	CARBON	1K	5%	1/2W	
R732	1-247-752-11	CARBON	1K	5%	1/2W	
R733	1-247-752-11	CARBON	1K	5%	1/2W	
R734	1-247-739-11	CARBON	100	5%	1/2W	
R735	1-244-941-00	CARBON	680K	5%	1/2W	
R737	1-249-496-11	CARBON	100K	5%	1/2W	
R738	1-249-489-11	CARBON	22K	5%	1/2W	
R740	1-216-392-11	METAL OXIDE	1.8	5%	3W	F
R743	1-214-931-00	CARBON	560K	5%	1/2W	
		<VARIABLE RESISTOR>				
RV701	1-241-656-21	RES, ADJ, METAL FILM 110M				
RV702	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M				

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* A-1342-305-A VM BOARD, COMPLETE
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4-382-854-01 SCREW (M3X8), P, SW (+)

<CAPACITOR>

C961	1-161-830-00	CERAMIC	0.0047MF	500V	
C962	1-130-491-00	MYLAR	0.047MF	5%	50V
C963	1-107-638-11	ELECT	33MF	20%	160V
C964	1-126-941-11	ELECT	470MF	20%	16V
C968	1-106-383-00	MYLAR	0.047MF	10%	200V
C969	1-124-668-11	ELECT	2.2MF	20%	160V
C970	1-104-999-11	MYLAR	0.1MF	10%	200V
C972	1-107-883-11	ELECT	330MF	20%	16V
C973	1-130-491-00	MYLAR	0.047MF	5%	50V
C975	1-126-941-11	ELECT	470MF	20%	16V
C978	1-130-471-00	MYLAR	0.001MF	5%	50V
C979	1-130-471-00	MYLAR	0.001MF	5%	50V
C980	1-104-665-11	ELECT	100MF	20%	16V

<CONNECTOR>

CN961	* 1-564-510-11	PLUG, CONNECTOR 7P
CN962	* 1-564-507-11	PLUG, CONNECTOR 4P
CN963	* 1-564-506-11	PLUG, CONNECTOR 3P

REF. NO.	PART NO.	DESCRIPTION				REMARK
		<DIODE>				
D964	8-719-911-19	DIODE 1SS119-25				
D967	8-719-110-88	DIODE RD39ESB2				
D968	8-719-110-88	DIODE RD39ESB2				
D1831	8-719-911-19	DIODE 1SS119-25				
D1833	8-719-911-19	DIODE 1SS119-25				
		<TRANSISTOR>				
Q961	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q962	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q963	8-729-017-05	TRANSISTOR 2SA1837				
Q965	8-729-017-06	TRANSISTOR 2SC4793				
Q967	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q968	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q1831	8-729-140-98	TRANSISTOR 2SD773-34				
Q1832	8-729-140-93	TRANSISTOR 2SB733-34				
Q1833	8-729-140-98	TRANSISTOR 2SD773-34				
Q1834	8-729-140-93	TRANSISTOR 2SB733-34				
		<RESISTOR>				
R962	1-249-401-11	CARBON	47	5%	1/4W	
R963	1-249-417-11	CARBON	1K	5%	1/4W	
R964	1-247-735-11	CARBON	47	5%	1/2W	F
R965	1-249-414-11	CARBON	560	5%	1/4W	F
R966	1-249-417-11	CARBON	1K	5%	1/4W	
R967	1-249-411-11	CARBON	330	5%	1/4W	
R968	1-249-417-11	CARBON	1K	5%	1/4W	
R969	1-249-383-11	CARBON	1.5	5%	1/4W	F
R970	1-249-403-11	CARBON	68	5%	1/4W	
R971	1-247-815-91	CARBON	220	5%	1/4W	
R972	1-249-432-11	CARBON	18K	5%	1/4W	
R973	1-249-403-11	CARBON	68	5%	1/4W	
R974	1-216-476-11	METAL OXIDE	180	5%	3W	F
R975	1-249-417-11	CARBON	1K	5%	1/4W	F
R976	1-249-432-11	CARBON	18K	5%	1/4W	
R977	1-249-429-11	CARBON	10K	5%	1/4W	
R978	1-247-807-31	CARBON	100	5%	1/4W	
R979	1-249-414-11	CARBON	560	5%	1/4W	
R980	1-247-807-31	CARBON	100	5%	1/4W	
R981	1-249-416-11	CARBON	820	5%	1/4W	
R982	1-249-383-11	CARBON	1.5	5%	1/4W	F
R985	1-249-401-11	CARBON	47	5%	1/4W	F
R1831	1-249-417-11	CARBON	1K	5%	1/4W	
R1832	1-247-807-31	CARBON	100	5%	1/4W	
R1833	1-249-417-11	CARBON	1K	5%	1/4W	
R1834	1-247-807-31	CARBON	100	5%	1/4W	
R1835	1-247-729-11	CARBON	15	5%	1/2W	F
R1836	1-247-688-11	CARBON	10	5%	1/4W	F
R1837	1-249-417-11	CARBON	1K	5%	1/4W	
R1838	1-247-807-31	CARBON	100	5%	1/4W	
R1839	1-249-417-11	CARBON	1K	5%	1/4W	
R1840	1-247-807-31	CARBON	100	5%	1/4W	
R1841	1-247-729-11	CARBON	15	5%	1/2W	F
R1842	1-247-688-11	CARBON	10	5%	1/4W	F

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* A-1343-223-A DF BOARD, COMPLETE
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<CAPACITOR>

C2801	1-136-559-11	MYLAR	0.0047MF	10%	400V
C2802	1-107-938-11	ELECT	0.47MF	20%	160V
C2803	1-107-636-11	ELECT	10MF	20%	160V
C2804	1-129-702-00	FILM	0.001MF	10%	630V
C2805	1-136-559-11	MYLAR	0.0047MF	10%	400V

DF D

REF. NO.	PART NO.	DESCRIPTION			REMARK
C2806	1-104-664-11	ELECT	47MF	20%	25V
C2807	1-124-907-11	ELECT	10MF	20%	50V
C2808	1-124-907-11	ELECT	10MF	20%	50V
C2809	1-102-244-00	CERAMIC	220pF	10%	500V
C2810	1-129-898-00	FILM	0.0022MF	10%	630V
C2811	1-107-714-11	ELECT	10MF	20%	16V
C2812	1-124-903-11	ELECT	1MF	20%	50V
C2813	1-107-714-11	ELECT	10MF	20%	16V
C2814	1-136-173-00	FILM	0.47MF	5%	50V
C2815	1-137-368-11	FILM	0.0047MF	5%	50V
C2816	1-124-903-11	ELECT	1MF	20%	50V
C2818	1-124-907-11	ELECT	10MF	20%	50V
C2819	1-137-366-11	FILM	0.0022MF	5%	50V
C2820	1-106-220-00	MYLAR	0.1MF	10%	100V
C2821	1-106-375-12	MYLAR	0.022MF	10%	250V
C2822	1-104-664-11	ELECT	47MF	20%	25V
C2823	1-104-664-11	ELECT	47MF	20%	25V
		<CONNECTOR>			
CN2822	1-764-612-11	CONNECTOR, BOARD TO BOARD 10P			
CN2823	1-764-612-11	CONNECTOR, BOARD TO BOARD 10P			
		<DIODE>			
D2801	8-719-911-19	DIODE 1SS119-25			
D2802	8-719-109-97	DIODE RD6.8ESB2			
D2803	8-719-911-19	DIODE 1SS119-25			
D2804	8-719-970-87	DIODE ERA38-06			
D2805	8-719-970-87	DIODE ERA38-06			
		<IC>			
IC2801	8-759-135-80	IC uPC358C			
IC2802	8-759-729-03	IC NJM2903D			
IC2803	8-759-168-20	IC TA78L09S			
		<COIL>			
L2801	1-410-093-11	INDUCTOR 33mH			
L2802	1-406-677-11	COIL, CHOKE 10mH			
		<TRANSISTOR>			
Q2802	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q2803	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q2804	8-729-119-80	TRANSISTOR 2SC2688-LK			
Q2805	8-729-119-80	TRANSISTOR 2SC2688-LK			
Q2806	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q2807	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q2808	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q2809	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q2810	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q2811	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q2812	8-729-011-06	TRANSISTOR 2SC3840K			
		<RESISTOR>			
R2801	1-249-429-11	CARBON	10K	5%	1/4W
R2803	1-249-441-11	CARBON	100K	5%	1/4W
R2804	1-249-429-11	CARBON	10K	5%	1/4W
R2805	1-249-437-11	CARBON	47K	5%	1/4W
R2807	1-249-437-11	CARBON	47K	5%	1/4W
R2808	1-249-412-11	CARBON	390	5%	1/4W F
R2809	1-249-393-11	CARBON	10	5%	1/4W F
R2810	1-249-413-11	CARBON	470	5%	1/4W
R2811	1-215-876-00	METAL OXIDE	15K	5%	1W F
R2812	1-249-411-11	CARBON	330	5%	1/4W
R2814	1-215-875-11	METAL OXIDE	10K	5%	1W F

REF. NO.	PART NO.	DESCRIPTION			REMARK
R2815	1-249-416-11	CARBON	820	5%	1/4W
R2816	1-249-435-11	CARBON	33K	5%	1/4W
R2817	1-247-863-91	CARBON	22K	5%	1/4W
R2818	1-215-870-11	METAL OXIDE	1.5K	5%	1W F
R2819	1-215-876-00	METAL OXIDE	15K	5%	1W F
R2820	1-247-843-11	CARBON	3.3K	5%	1/4W
R2821	1-249-429-11	CARBON	10K	5%	1/4W
R2822	1-249-429-11	CARBON	10K	5%	1/4W
R2823	1-247-863-91	CARBON	22K	5%	1/4W
R2824	1-247-863-91	CARBON	22K	5%	1/4W
R2825	1-249-441-11	CARBON	100K	5%	1/4W
R2826	1-249-441-11	CARBON	100K	5%	1/4W
R2827	1-249-441-11	CARBON	100K	5%	1/4W
R2828	1-249-425-11	CARBON	4.7K	5%	1/4W
R2829	1-247-863-91	CARBON	22K	5%	1/4W
R2831	1-249-425-11	CARBON	4.7K	5%	1/4W
R2833	1-247-889-00	CARBON	270K	5%	1/4W
R2834	1-247-889-00	CARBON	270K	5%	1/4W
R2835	1-247-895-91	CARBON	470K	5%	1/4W
R2836	1-249-422-11	CARBON	2.7K	5%	1/4W
R2837	1-247-863-91	CARBON	22K	5%	1/4W
R2838	1-249-421-11	CARBON	2.2K	5%	1/4W
R2839	1-249-430-11	CARBON	12K	5%	1/4W
R2840	1-249-421-11	CARBON	2.2K	5%	1/4W
R2841	1-249-429-11	CARBON	10K	5%	1/4W
R2842	1-249-435-11	CARBON	33K	5%	1/4W
R2843	1-249-421-11	CARBON	2.2K	5%	1/4W

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* A-1346-507-A D BOARD, COMPLETE (EXCEPT KV-E29MH1)

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* A-1346-560-A D BOARD, COMPLETE (KV-E29MH1 ONLY)

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4-382-854-01 SCREW (M3X8), P, SW (+)

<CAPACITOR>

C602	1-107-929-11	ELECT	10MF	20%	100V
C603	1-124-120-11	ELECT	220MF	20%	16V
C604	1-102-074-00	CERAMIC	0.001MF	10%	50V
C605	1-161-754-00	CERAMIC	0.001MF	10%	3KV
C607	1-102-002-00	CERAMIC	680pF	10%	500V
C608	1-128-339-11	ELECT	2200MF	20%	16V
C609	1-107-928-11	ELECT	4.7MF	20%	100V
C610	1-161-754-00	CERAMIC	0.001MF	10%	3KV
C611	1-102-002-00	CERAMIC	680pF	10%	500V
C612	1-102-002-00	CERAMIC	680pF	10%	500V
C613	1-125-494-11	ELECT(BLOCK)	560MF	20%	160V
C614	1-107-890-11	ELECT	2200MF	20%	25V
C615	1-124-607-11	ELECT	2200MF	20%	50V
C617	1-102-002-00	CERAMIC	680pF	10%	500V
C618	1-126-941-11	ELECT	470MF	20%	16V
C620	1-102-002-00	CERAMIC	680pF	10%	500V
C621	1-102-002-00	CERAMIC	680pF	10%	500V
C623	1-124-563-11	ELECT	2200MF	20%	25V
C624	1-102-002-00	CERAMIC	680pF	10%	500V
C626	1-102-074-00	CERAMIC	0.001MF	10%	50V
C629	1-162-116-00	CERAMIC	680pF	10%	2KV
C630	1-162-116-00	CERAMIC	680pF	10%	2KV
C631	1-161-754-00	CERAMIC	0.001MF	10%	3KV
C632	1-106-383-00	MYLAR	0.047MF	10%	100V
C640	1-126-941-11	ELECT	470MF	20%	16V
C641	1-124-480-11	ELECT	470MF	20%	25V
C642	1-102-212-00	CERAMIC	820pF	10%	500V
C643	1-102-212-00	CERAMIC	820pF	10%	500V

The componants identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

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REF. NO.	PART NO.	DESCRIPTION			REMARK
C644	1-102-212-00	CERAMIC	820pF	10%	500V
C683	1-126-768-11	ELECT	2200MF	20%	16V
C684	1-126-768-11	ELECT	2200MF	20%	16V
C808	1-162-114-00	CERAMIC	0.0047MF		2KV
C814	1-104-665-11	ELECT	100MF	20%	16V
C816	1-102-244-00	CERAMIC	220pF	10%	500V
C835	1-124-480-11	ELECT	470MF	20%	25V
C836	1-102-228-00	CERAMIC	470pF	10%	500V
C839	1-107-655-11	ELECT	47MF	20%	250V
C840	1-124-480-11	ELECT	470MF	20%	25V
C841	1-102-228-00	CERAMIC	470pF	10%	500V
C842	1-106-387-00	MYLAR	0.068MF	10%	200V
C846	1-123-024-21	ELECT	33MF		160V
C875	1-102-038-00	CERAMIC	0.001MF		500V
C877	1-124-902-00	ELECT	0.47MF	20%	50V
C1501	1-102-820-00	CERAMIC	330pF	5%	50V
C1503	1-102-820-00	CERAMIC	330pF	5%	50V
C1504	1-124-480-11	ELECT	470MF	20%	25V
C1505	1-124-911-11	ELECT	220MF	20%	50V
C1506	1-136-171-00	FILM	0.33MF	5%	50V
C1507	1-106-220-00	MYLAR	0.1MF	10%	100V
C1509	1-109-953-11	ELECT	2.2MF	20%	50V
C1510	1-130-495-00	MYLAR	0.1MF	5%	50V
C1511	1-126-965-11	ELECT	22MF	20%	50V
C1514	1-126-956-91	ELECT	0.1MF	20%	50V
C1515	1-126-956-91	ELECT	0.1MF	20%	50V
C1518	1-130-495-00	MYLAR	0.1MF	5%	50V
C1800	1-104-665-11	ELECT	100MF	20%	16V
C1804	1-124-907-11	ELECT	10MF	20%	50V
C1805	1-129-765-00	FILM	0.047MF	10%	200V
C1806	1-136-155-00	FILM	0.015MF	5%	50V
C1807	1-136-175-00	FILM	0.68MF	5%	50V
C1809	1-126-942-61	ELECT	1000MF	20%	25V
C2500	1-130-475-00	MYLAR	0.0022MF	5%	50V
C2501	1-130-475-00	MYLAR	0.0022MF	5%	50V
C2502	1-137-399-11	FILM	0.1MF	5%	50V
C2503	1-137-372-11	FILM	0.022MF	5%	50V
C2504	1-104-665-11	ELECT	100MF	20%	25V
C2505	1-107-846-11	FILM	0.1MF	5%	250V
C2507	1-107-638-11	ELECT	33MF	20%	160V
C2508	1-129-898-00	FILM	0.0022MF	10%	630V
C2514	1-102-244-00	CERAMIC	220pF	10%	500V
C2515	1-106-359-00	MYLAR	0.0047MF	10%	200V
C2517	1-162-116-00	CERAMIC	680pF	10%	2KV
C2518	1-162-116-00	CERAMIC	680pF	10%	2KV
C2519	1-117-200-11	FILM	16000pF	3%	2KV
C2520	1-162-134-11	CERAMIC	470pF	10%	2KV
C2521	1-129-723-00	FILM	0.056MF	5%	630V
C2522	1-106-383-00	MYLAR	0.047MF	10%	200V
C2523	1-102-002-00	CERAMIC	680pF	10%	500V
C2524	1-102-212-00	CERAMIC	820pF	10%	500V
C2525	1-126-963-11	ELECT	4.7MF	20%	50V
C2526	1-106-395-00	MYLAR	0.15MF	10%	200V
C2527	1-126-772-11	ELECT	1MF	20%	250V
C2528	1-136-111-00	FILM	1MF	5%	200V
C2529	1-106-343-00	MYLAR	0.001MF	10%	100V
C2530	1-104-770-11	FILM	0.62MF	5%	200V
C2540	1-130-480-00	MYLAR	0.0056MF	5%	50V
C2541	1-130-477-00	FILM	0.0033MF	5%	50V
C2543	1-104-666-11	ELECT	220MF	20%	25V
C2545	1-126-963-11	ELECT	4.7MF	20%	50V
C2547	1-102-112-00	CERAMIC	330pF	10%	50V
C2561	1-162-815-11	CERAMIC	47pF	5%	500V
C2601	⚠1-113-900-51	CERAMIC	470pF	10%	250V
C2602	1-136-360-51	FILM	0.22MF (E29MH1 ONLY)		
C2603	⚠1-113-900-51	CERAMIC	470pF	10%	250V
C2604	1-136-360-51	FILM	0.22MF (E29MH1 ONLY)		
C2605	1-107-909-11	ELECT	47MF	20%	50V
C2606	1-161-830-00	CERAMIC	0.0047MF		500V
C2607	1-161-830-00	CERAMIC	0.0047MF		500V
C2609	1-161-830-00	CERAMIC	0.0047MF		500V
C2610	1-161-830-00	CERAMIC	0.0047MF		500V
C2613	1-162-318-11	CERAMIC	0.001MF	10%	500V
C2617	1-109-841-11	ELECT	560MF	20%	400V
C2618	1-136-601-11	FILM	0.01MF	10%	630V
C2620	1-130-711-00	FILM	0.22MF	20%	250V

<CONNECTOR>

CN506	*1-774-182-11	CONNECTOR, BOARD TO BOARD10P
CN518	*1-564-507-11	PLUG, CONNECTOR 4P
CN520	*1-764-607-11	CONNECTOR, BOARD TO BOARD 8P
CN526	*1-764-607-11	CONNECTOR, BOARD TO BOARD 8P
CN527	1-695-915-11	TAB (CONTACT)
CN528	*1-764-607-11	CONNECTOR, BOARD TO BOARD 8P
CN530	1-695-915-11	TAB (CONTACT)
CN0521	*1-508-766-00	PIN, CONNECTOR (5mm PITCH) 4P
CN0522	1-764-610-11	CONNECTOR, BOARD TO BOARD 10P
CN0523	1-764-610-11	CONNECTOR, BOARD TO BOARD 10P
CN1804	*1-564-507-11	PLUG, CONNECTOR 4P
CN2600	*1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P
CN2601	1-695-915-11	TAB (CONTACT)
CN2602	1-508-786-00	PIN, CONNECTOR (5mm PITCH) 2P
CN2605	*1-508-765-00	PIN, CONNECTOR (5mm PITCH) 3P

<DIODE>

D601	8-719-110-08	DIODE RD8.2ESB2
D602	8-719-510-26	DIODE D1NL20
D603	8-719-510-26	DIODE D1NL20
D604	8-719-510-37	DIODE D5LC20U
D605	8-719-911-19	DIODE 1SS119-25
D606	8-719-302-43	DIODE EL1Z
D607	8-719-510-73	DIODE S3L20UF4
D608	8-719-979-85	DIODE EGP20G
D609	8-719-312-10	DIODE RU4AM-T3
D611	8-719-510-37	DIODE D5LC20U
D612	8-719-110-02	DIODE RD7.5ESB1
D614	8-719-911-19	DIODE 1SS119-25
D616	8-719-510-26	DIODE D1NL20
D618	8-719-016-42	DIODE MC932TP
D619	8-719-911-19	DIODE 1SS119-25
D620	8-719-510-73	DIODE S3L20UF4
D801	8-719-018-82	DIODE RGP02-20EL-6394
D803	8-719-911-19	DIODE 1SS119-25
D814	8-719-979-85	DIODE EGP20G
D815	8-719-302-43	DIODE EL1Z
D816	8-719-979-85	DIODE EGP20G
D824	8-719-028-72	DIODE RGP02-17EL-6433
D825	8-719-911-19	DIODE 1SS119-25
D1501	8-719-991-33	DIODE 1SS133T-77
D1502	8-719-110-78	DIODE RD33ESB2
D1503	8-719-908-03	DIODE GP08D
D1504	8-719-109-85	DIODE RD5.1ESB2
D1505	8-719-911-19	DIODE 1SS119-25
D1506	8-719-911-19	DIODE 1SS119-25
D1803	8-719-911-19	DIODE 1SS119-25
D1804	8-719-911-19	DIODE 1SS119-25
D1805	8-719-302-43	DIODE EL1Z
D1806	8-719-911-19	DIODE 1SS119-25
D1808	8-719-911-19	DIODE 1SS119-25
D2500	8-719-109-89	DIODE RD5.6ESB2
D2501	8-719-911-19	DIODE 1SS119-25
D2502	8-719-911-19	DIODE 1SS119-25
D2503	8-719-911-19	DIODE 1SS119-25
D2506	8-719-945-80	DIODE ERC06-15S
D2507	8-719-945-80	DIODE ERC06-15S
D2508	8-719-900-26	DIODE ERD29-08J

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Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The componants identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK
D2509	8-719-302-43	DIODE EL1Z	
D2510	8-719-908-03	DIODE GP08D	
D2511	8-719-908-03	DIODE GP08D	
D2515	8-719-911-19	DIODE 1SS119-25	
D2600	8-719-510-53	DIODE D4SB60L	
D2602	8-719-911-19	DIODE 1SS119-25	
D2603	8-719-108-18	THYRISTOR 5P6M	
D2604	8-719-109-88	DIODE RD5.6ESB1	
		<CONNECTOR>	
DY1	*1-580-798-11	CONNECTOR PIN (DY) 6P	
		<FERRITE BEAD>	
FB600	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
FB601	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
FB602	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
FB603	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
FB604	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
FB605	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
FB607	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
FB2502	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
		<IC>	
IC601	8-749-010-92	IC STR-S6709	
IC602	8-749-920-61	IC SE-135N	
IC603	⚠8-749-924-35	PHOTO COUPLER ON3171-R	
IC1501	8-759-980-58	IC TDA8172	
IC1800	8-759-603-37	IC M5216P	
IC2504	8-759-729-03	IC NJM2903D	
		<COIL>	
L600	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
L601	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
L602	1-412-531-31	INDUCTOR 33UH	
L604	1-412-531-31	INDUCTOR 33UH	
L605	1-412-527-11	INDUCTOR 15UH	
L606	1-412-527-11	INDUCTOR 15UH	
L607	1-406-978-11	COIL, CHOKE 150UH	
L802	1-249-437-11	CARBON 47K 5% 1/4W	
L815	1-412-525-31	INDUCTOR 10UH	
L816	1-412-525-31	INDUCTOR 10UH	
L1502	1-412-525-31	INDUCTOR 10UH	
L1805	1-459-104-00	COIL, WITH CORE	
L1806	1-459-075-00	COIL,DYNAMIC CONVERSION CHOKE	
L2505	1-459-104-00	COIL, WITH CORE	
L2506	1-422-613-11	COIL, AIR CORE	
L2508	1-412-553-11	INDUCTOR 3.3mH	
L2509	1-411-955-12	COIL, HORIZONTAL LINEARITY	
L2510	1-459-474-11	COIL (WITH CORE)	
		<TRANSISTOR>	
Q600	8-729-028-34	TRANSISTOR 2SD1640Q,R	
Q601	8-729-203-79	TRANSISTOR 2SA1315-Y	
Q602	8-729-805-05	TRANSISTOR 2SC3601-E	
Q603	8-729-900-80	TRANSISTOR DTC114ES	
Q803	8-729-200-17	TRANSISTOR 2SA1091-O	
Q1501	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1502	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q1800	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q1802	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1803	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1804	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1805	8-729-195-82	TRANSISTOR 2SC2958-L	
Q2502	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q2503	8-729-017-06	TRANSISTOR 2SC4793	
Q2505	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q2591	8-729-016-32	TRANSISTOR 2SC4927-01	
Q2600	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q2601	8-729-119-78	TRANSISTOR 2SC2785-HFE	
		<RESISTOR>	
R601	1-215-923-00	METAL OXIDE 10K 5% 3W	F
R602	1-249-417-11	CARBON 1K 5% 1/4W	F
R603	1-215-901-00	METAL OXIDE 33K 5% 2W	F
R604	1-216-469-11	METAL OXIDE 12 5% 3W	F
R605	1-219-134-11	FUSIBLE 0.1 10% 1/4W	
R606	1-216-422-11	METAL OXIDE 18 5% 1W	F
R607	1-247-843-11	CARBON 3.3K 5% 1/4W	
R608	1-249-489-11	CARBON 22K 5% 1/2W	F
R609	1-260-108-11	CARBON 5.6K 5% 1/2W	
R611	1-202-933-61	FUSIBLE 0.1 10% 1/2W	F
R612	1-249-420-11	CARBON 1.8K 5% 1/4W	
R614	1-249-418-11	CARBON 1.2K 5% 1/4W	
R615	⚠1-249-377-91	CARBON 0.47 5% 1/4W	F
R616	1-215-886-11	METAL OXIDE 100 5% 2W	F
R618	1-207-612-00	WIREWOUND 0.1 10% 2W	F
R619	1-247-807-31	CARBON 100 5% 1/4W	
R620	1-249-425-11	CARBON 4.7K 5% 1/4W	
R621	1-249-377-11	CARBON 0.47 5% 1/4W	F
R622	1-247-807-31	CARBON 100 5% 1/4W	
R624	⚠1-533-596-21	LINK, IC	
R625	⚠1-533-595-21	LINK, IC	
R626	⚠1-219-134-21	FUSIBLE 0.1 10% 1/4W	
R628	1-260-072-11	CARBON 4.7 5% 1/2W	
R690	1-249-416-11	CARBON 820 5% 1/4W	
R804	1-217-778-11	FUSIBLE 1K 5% 1W	F
R836	1-249-439-11	CARBON 68K 5% 1/4W	
R853	1-249-443-11	CARBON 0.47 5% 1/4W	F
R854	1-249-443-11	CARBON 0.47 5% 1/4W	F
R855	1-215-869-11	METAL OXIDE 1K 5% 1W	F
R858	1-215-437-00	METAL 4.7K 1% 1/4W	
R860	1-249-438-11	CARBON 56K 5% 1/4W	
R861	1-249-438-11	CARBON 56K 5% 1/4W	
R868	1-215-452-00	METAL 20K 1% 1/4W	
R869	1-215-453-00	METAL 22K 1% 1/4W	
R871	1-215-453-00	METAL 22K 1% 1/4W	
R876	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R884	1-215-476-00	METAL 200K 1% 1/4W	
R885	1-249-377-11	CARBON 0.47 5% 1/4W	F
R886	1-216-370-11	METAL OXIDE 1.2 5% 2W	F
R887	1-249-420-11	CARBON 1.8K 5% 1/4W	F
R890	1-247-883-00	CARBON 150K 5% 1/4W	
R892	1-249-425-11	CARBON 4.7K 5% 1/4W	
R894	1-247-897-11	CARBON 560K 5% 1/4W	
R895	1-249-432-11	CARBON 18K 5% 1/4W	
R898	1-247-895-91	CARBON 470K 5% 1/4W	
R1501	1-249-429-11	CARBON 10K 5% 1/4W	
R1502	1-249-428-11	CARBON 8.2K 5% 1/4W	
R1503	1-249-431-11	CARBON 15K 5% 1/4W	
R1504	1-249-425-11	CARBON 4.7K 5% 1/4W	
R1505	1-249-417-11	CARBON 1K 5% 1/4W	
R1506	1-249-435-11	CARBON 33K 5% 1/4W	
R1508	1-249-429-11	CARBON 10K 5% 1/4W	
R1509	1-215-443-00	METAL 8.2K 1% 1/4W	
R1511	1-215-913-11	METAL OXIDE 220 5% 3W	F
R1512	1-216-370-11	METAL OXIDE 1.2 5% 2W	F
R1515	1-249-383-11	CARBON 1.5 5% 1/4W	F
R1523	1-247-807-31	CARBON 100 5% 1/4W	
R1524	1-247-863-91	CARBON 22K 5% 1/4W	
R1550	1-249-429-11	CARBON 10K 5% 1/4W	
R1551	1-249-421-11	CARBON 2.2K 5% 1/4W	
R1800	1-249-417-11	CARBON 1K 5% 1/4W	
R1801	1-249-424-11	CARBON 3.9K 5% 1/4W	

The componants identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

D V1

REF. NO.	PART NO.	DESCRIPTION			REMARK
R1806	1-249-425-11	CARBON	4.7K	5%	1/4W
R1807	1-249-429-11	CARBON	10K	5%	1/4W
R1808	1-249-425-11	CARBON	4.7K	5%	1/4W
R1809	1-247-863-91	CARBON	22K	5%	1/4W
R1810	1-247-863-91	CARBON	22K	5%	1/4W
R1811	1-249-435-11	CARBON	33K	5%	1/4W
R1812	1-249-435-11	CARBON	33K	5%	1/4W
R1814	1-260-111-11	CARBON	10K	5%	1/2W
R1815	1-260-111-11	CARBON	10K	5%	1/2W
R1816	1-247-843-11	CARBON	3.3K	5%	1/4W
R1817	1-249-441-11	CARBON	100K	5%	1/4W
R1818	1-249-421-11	CARBON	2.2K	5%	1/4W
R1819	1-249-411-11	CARBON	330	5%	1/4W F
R1820	1-216-434-11	METAL OXIDE	1.8K	5%	1W F
R2501	1-249-385-11	CARBON	2.2	5%	1/4W F
R2503	1-215-885-00	METAL OXIDE	68	5%	2W F
R2504	1-249-420-11	CARBON	1.8K	5%	1/4W
R2506	1-215-911-11	METAL OXIDE	100	5%	3W F
R2507	1-249-429-11	CARBON	10K	5%	1/4W
R2512	1-247-895-91	CARBON	470K	5%	1/4W
R2515	1-216-346-00	METAL OXIDE	0.56	5%	1W F
R2516	1-249-401-11	CARBON	47	5%	1/4W
R2517	1-215-918-00	METAL OXIDE	1.5K	5%	3W F
R2518	1-215-918-00	METAL OXIDE	1.5K	5%	3W F
R2519	1-247-722-11	CARBON	5.6K	5%	1/4W F
R2520	1-247-843-11	CARBON	3.3K	5%	1/4W
R2521	1-249-411-11	CARBON	330	5%	1/4W
R2522	1-215-888-00	METAL OXIDE	220	5%	2W F
R2523	1-215-865-11	METAL OXIDE	220	5%	1W F
R2524	1-247-887-00	CARBON	220K	5%	1/4W
R2525	1-215-884-11	METAL OXIDE	47	5%	2W F
R2526	1-249-437-11	CARBON	47K	5%	1/4W
R2527	1-215-861-00	METAL OXIDE	47	5%	1W F
R2528	1-247-750-11	CARBON	680	5%	1/2W F
R2530	1-247-843-11	CARBON	3.3K	5%	1/4W
R2531	1-249-427-11	CARBON	6.8K	5%	1/4W
R2533	1-249-389-11	CARBON	4.7	5%	1/4W F
R2535	1-249-421-11	CARBON	2.2K	5%	1/4W
R2536	1-249-420-11	CARBON	1.8K	5%	1/4W
R2543	1-249-418-11	CARBON	1.2K	5%	1/4W
R2547	1-249-426-11	CARBON	5.6K	5%	1/4W
R2556	1-249-411-11	CARBON	330	5%	1/4W
R2557	1-249-415-11	CARBON	680	5%	1/4W F
R2561	1-247-843-11	CARBON	3.3K	5%	1/4W
R2564	1-249-429-11	CARBON	10K	5%	1/4W
R2566	1-249-435-11	CARBON	33K	5%	1/4W
R2582	1-249-421-11	CARBON	2.2K	5%	1/4W
R2583	1-249-421-11	CARBON	2.2K	5%	1/4W
R2601	1-218-265-91	METAL	8.2M	5%	1W
R2602	⚠1-249-417-11	CARBON	1K	5%	1/4W
R2604	1-202-962-11	WIREWOUND	3.3	5%	10W
R2605	1-249-416-11	CARBON	820	5%	1/4W F
R2606	1-249-416-11	CARBON	820	5%	1/4W F
R2607	1-202-962-11	WIREWOUND	3.3	5%	10W
R2610	1-216-486-00	METAL OXIDE	8.2K	5%	3W F
R2611	1-216-486-00	METAL OXIDE	8.2K	5%	3W F
R2612	1-202-728-00	SOLID	5.6M	20%	1/2W
R2613	⚠1-220-797-11	WIREWOUND	0.47	5%	10W F (EXCEPT E29MH1)
R2614	⚠1-220-797-11	WIREWOUND	0.47	5%	10W F (EXCEPT E29MH1)

<VARIABLE RESISTOR>

RV1801	1-223-241-11	RES, ADJ, CARBON 47K	

<RELAY>

RY2600	⚠1-515-684-31	RELAY	

REF. NO.	PART NO.	DESCRIPTION	REMARK
		<SWITCH>	
S2501	1-572-707-11	SWITCH, LEVER	
S2502	1-572-707-11	SWITCH, LEVER	
		<TRANSFORMER>	
T601	⚠1-429-774-11	TRANSFORMER, POWER	
T801	⚠8-598-977-00	FBT ASSY, NX-4122	
T805	1-424-584-12	TRANSFORMER, DYNAMIC FOCUS	
T2502	1-437-195-11	TRANSFORMER, HORIZONTAL DRIVE	
T2503	1-424-545-11	TRANSFORMER, FERRITE (PMT)	
T2601	⚠1-431-182-11	TRANSFORMER, LINE FILTER	(E29MH1 ONLY)
T2602	⚠1-424-505-11	TRANSFORMER, LINE FILTER	(E29MH1 ONLY)
T2602	⚠1-427-712-11	TRANSFORMER, LINE FILTER	(EXCEPT E29MH1)
T2603	⚠1-424-505-11	TRANSFORMER, LINE FILTER	(E29MH1 ONLY)
T2603	⚠1-427-712-11	TRANSFORMER, LINE FILTER	(EXCEPT E29MH1)
		<THERMISTOR>	
TH2600	⚠1-809-827-11	THERMISTOR, POSITIVE	

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* A-1347-118-A V1 BOARD, COMPLETE

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(KV-E29MH11/E29MN11 ONLY)

<CAPACITOR>

C01	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C02	1-124-907-11	ELECT	10MF	20%	50V
C03	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C04	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C05	1-124-907-11	ELECT	10MF	20%	50V
C06	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
C07	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C08	1-163-231-11	CERAMIC CHIP	15pF	5%	50V
C09	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C10	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C11	1-164-346-11	CERAMIC CHIP	1MF		16V
C12	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C13	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C14	1-216-295-91	CONDUCTOR, CHIP			
C15	1-104-663-11	ELECT	33MF	20%	25V
C16	1-126-963-11	ELECT	4.7MF	20%	50V
C17	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C19	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C22	1-124-907-11	ELECT	10MF	20%	50V
C23	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C25	1-124-907-11	ELECT	10MF	20%	50V
C26	1-104-665-11	ELECT	100MF	20%	16V
C27	1-104-665-11	ELECT	100MF	20%	16V
C28	1-163-099-00	CERAMIC CHIP	18pF	5%	50V
C29	1-163-099-00	CERAMIC CHIP	18pF	5%	50V
C30	1-163-099-00	CERAMIC CHIP	18pF	5%	50V
C31	1-163-099-00	CERAMIC CHIP	18pF	5%	50V
C32	1-104-665-11	ELECT	100MF	20%	16V
C39	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
C40	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C48	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
C49	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
C73	1-163-001-11	CERAMIC CHIP	220pF	10%	50V
C74	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C77	1-163-251-11	CERAMIC CHIP	100pF	5%	50V

V1 H2

REF. NO.	PART NO.	DESCRIPTION		REMARK
C78	1-163-251-11	CERAMIC CHIP 100pF	5%	50V
C79	1-163-251-11	CERAMIC CHIP 100pF	5%	50V
C80	1-164-161-11	CERAMIC CHIP 0.0022MF	10%	50V
		<CONNECTOR>		
CN2	*1-564-520-11	PLUG, CONNECTOR 5P		
CN01	*1-770-748-11	CONNECTOR, BOARD TO BOARD 12P		
		<DIODE>		
D04	8-719-105-91	DIODE RD5.6M-B2		
D06	8-719-105-51	DIODE RD3.6M-B1		
		<FERRITE BEAD>		
FB01	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		
FB02	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		
FB03	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		
		<IC>		
IC01	8-759-324-28	IC P83C654FBP/540		
IC02	8-759-298-63	IC SAA5281ZP/E		
		<CHIP CONDUCTOR>		
JR02	1-216-295-91	CONDUCTOR, CHIP		
JR04	1-216-295-91	CONDUCTOR, CHIP		
JR07	1-216-295-91	CONDUCTOR, CHIP		
JR08	1-216-295-91	CONDUCTOR, CHIP		
JR10	1-216-295-91	CONDUCTOR, CHIP		
JR12	1-216-295-91	CONDUCTOR, CHIP		
JR13	1-216-295-91	CONDUCTOR, CHIP		
JR14	1-216-295-91	CONDUCTOR, CHIP		
JR15	1-216-295-91	CONDUCTOR, CHIP		
		<COIL>		
L01	1-408-403-00	INDUCTOR 3.3UH		
L03	1-408-403-00	INDUCTOR 3.3UH		
L04	1-408-403-00	INDUCTOR 3.3UH		
L05	1-408-403-00	INDUCTOR 3.3UH		
L06	1-408-403-00	INDUCTOR 3.3UH		
		<TRANSISTOR>		
Q01	8-729-230-49	TRANSISTOR 2SC2712-YG		
Q02	8-729-900-53	TRANSISTOR DTC114EK		
Q03	8-729-230-49	TRANSISTOR 2SC2712-YG		
Q04	8-729-230-49	TRANSISTOR 2SC2712-YG		
Q05	8-729-230-49	TRANSISTOR 2SC2712-YG		
Q06	8-729-230-49	TRANSISTOR 2SC2712-YG		
Q07	8-729-019-01	TRANSISTOR 2SD2394-EF		
Q08	8-729-230-49	TRANSISTOR 2SC2712-YG		
Q09	8-729-901-04	TRANSISTOR DTA114EK		
Q13	8-729-901-00	TRANSISTOR DTC124EK		
Q14	8-729-230-49	TRANSISTOR 2SC2712-YG		
		<RESISTOR>		
R01	1-216-061-00	METAL GLAZE 3.3K	5%	1/10W
R02	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R03	1-216-099-00	METAL GLAZE 120K	5%	1/10W
R04	1-216-025-91	METAL GLAZE 100	5%	1/10W
R05	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R06	1-216-093-00	METAL GLAZE 68K	5%	1/10W
R07	1-216-025-91	METAL GLAZE 100	5%	1/10W
R08	1-216-025-91	METAL GLAZE 100	5%	1/10W
R09	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R10	1-216-083-00	METAL GLAZE 27K	5%	1/10W
R11	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R12	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R13	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R14	1-216-025-91	METAL GLAZE 100	5%	1/10W
R16	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R17	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R19	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R20	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R21	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R22	1-216-041-00	METAL GLAZE 470	5%	1/10W
R23	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R24	1-216-025-91	METAL GLAZE 100	5%	1/10W
R25	1-216-025-91	METAL GLAZE 100	5%	1/10W
R26	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R27	1-216-071-00	METAL GLAZE 8.2K	5%	1/10W
R28	1-216-025-91	METAL GLAZE 100	5%	1/10W
R29	1-216-025-91	METAL GLAZE 100	5%	1/10W
R30	1-216-071-00	METAL GLAZE 8.2K	5%	1/10W
R31	1-216-025-91	METAL GLAZE 100	5%	1/10W
R32	1-216-071-00	METAL GLAZE 8.2K	5%	1/10W
R33	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R34	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R35	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R36	1-216-025-91	METAL GLAZE 100	5%	1/10W
R38	1-260-095-11	CARBON 470	5%	1/2W
R39	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R41	1-216-071-00	METAL GLAZE 8.2K	5%	1/10W
R44	1-216-295-91	CONDUCTOR, CHIP		
R45	1-216-021-00	METAL GLAZE 68	5%	1/10W
R46	1-216-021-00	METAL GLAZE 68	5%	1/10W
R47	1-216-021-00	METAL GLAZE 68	5%	1/10W
R48	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R49	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R50	1-216-025-91	METAL GLAZE 100	5%	1/10W
R53	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R55	1-216-025-91	METAL GLAZE 100	5%	1/10W
		<CRYSTAL>		
X01	1-579-266-31	CRYSTAL VIBRATOR		

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	*A-1372-255-A	H2 BOARD, COMPLETE **********			
	*4-055-304-01	HOLDER, LED			
		<CAPACITOR>			
C900	1-126-967-11	ELECT	47MF	20%	16V
C901	1-102-824-00	CERAMIC	470pF	5%	50V
C902	1-126-967-11	ELECT	47MF	20%	16V
		<CONNECTOR>			
CN901	1-569-321-11	SOCKET, CONNECTOR 15P			
CN902	*1-564-507-11	PLUG, CONNECTOR 4P			
CN904	*1-564-507-11	PLUG, CONNECTOR 4P			
CN905	1-569-321-11	SOCKET, CONNECTOR 15P			
CN907	*1-564-518-11	PLUG, CONNECTOR 3P			
CN909	*1-564-506-11	PLUG, CONNECTOR 3P			
		<DIODE>			
D904	8-719-045-19	DIODE SPB-26MVWF			
D914	8-719-911-19	DIODE 1SS119-25			
D915	8-719-911-19	DIODE 1SS119-25			

REF. NO.	PART NO.	DESCRIPTION			REMARK
D916	8-719-911-19	DIODE 1SS119-25			
D917	8-719-911-19	DIODE 1SS119-25			
		<IC>			
IC900	8-742-041-00	RECEIVER HIC SBX1981-11			
		<JACK>			
J901	1-770-786-11	JACK			
J902	1-778-045-11	TERMINAL, S			
J903	1-695-585-11	JACK BLOCK, PIN (L TYPE) 3P			
		<TRANSISTOR>			
Q900	8-729-900-89	TRANSISTOR DTC144ES			
Q901	8-729-900-89	TRANSISTOR DTC144ES			
		<RESISTOR>			
R900	1-249-425-11	CARBON	4.7K	5%	1/4W
R901	1-249-425-11	CARBON	4.7K	5%	1/4W
R902	1-249-413-11	CARBON	470	5%	1/4W
R904	1-249-417-11	CARBON	1K	5%	1/4W
R906	1-249-420-11	CARBON	1.8K	5%	1/4W
R908	1-247-843-11	CARBON	3.3K	5%	1/4W
R912	1-249-401-11	CARBON	47	5%	1/4W
R914	1-249-411-11	CARBON	330	5%	1/4W
R915	1-249-411-11	CARBON	330	5%	1/4W
R917	1-247-807-31	CARBON	100	5%	1/4W
R918	1-247-807-31	CARBON	100	5%	1/4W
		<SWITCH>			
S901	1-571-532-21	SWITCH, TACTIL			
S902	1-571-532-21	SWITCH, TACTIL			
S903	1-571-532-21	SWITCH, TACTIL			
S904	1-571-532-21	SWITCH, TACTIL			
S905	1-571-532-21	SWITCH, TACTIL			

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* A-1372-256-A H4 BOARD, COMPLETE
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		<CONNECTOR>			
CN1001	* 1-564-519-11	PLUG, CONNECTOR 4P			
		<DIODE>			
D1002	8-719-061-51	DIODE LN31GPX			
D1003	8-719-061-51	DIODE LN31GPX			
D1004	8-719-061-51	DIODE LN31GPX			
D1005	8-719-061-51	DIODE LN31GPX			
D1006	8-719-061-51	DIODE LN31GPX			
D1007	8-719-061-51	DIODE LN31GPX			
		<RESISTOR>			
R1005	1-249-413-11	CARBON	470	5%	1/4W
R1006	1-249-417-11	CARBON	1K	5%	1/4W
R1007	1-249-420-11	CARBON	1.8K	5%	1/4W
R1008	1-247-843-11	CARBON	3.3K	5%	1/4W
R1009	1-249-428-11	CARBON	8.2K	5%	1/4W
R1010	1-247-815-91	CARBON	220	5%	1/4W
R1011	1-247-815-91	CARBON	220	5%	1/4W
R1012	1-247-815-91	CARBON	220	5%	1/4W
R1013	1-247-815-91	CARBON	220	5%	1/4W
R1014	1-247-815-91	CARBON	220	5%	1/4W
R1015	1-249-406-11	CARBON	120	5%	1/4W
		<SWITCH>			
S1005	1-571-977-11	SWITCH, TACTIL			
S1006	1-571-977-11	SWITCH, TACTIL			
S1007	1-571-977-11	SWITCH, TACTIL			
S1008	1-571-977-11	SWITCH, TACTIL			
S1009	1-571-977-11	SWITCH, TACTIL			
S1010	1-571-977-11	SWITCH, TACTIL			

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* A-1390-616-A S BOARD, COMPLETE
****

		<CAPACITOR>			
C2200	1-163-001-11	CERAMIC CHIP	220pF	10%	50V
C2201	1-126-967-11	ELECT	47MF	20%	16V
C2202	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C2203	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C2204	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C2205	1-124-925-11	ELECT	2.2MF	20%	50V
C2206	1-124-902-00	ELECT	0.47MF	20%	50V
C2207	1-126-963-11	ELECT	4.7MF	20%	50V
C2208	1-164-346-11	CERAMIC CHIP	1MF		16V
C2209	1-126-963-11	ELECT	4.7MF	20%	50V
C2210	1-126-963-11	ELECT	4.7MF	20%	50V
C2211	1-126-964-11	ELECT	10MF	20%	50V
C2212	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C2213	1-124-902-00	ELECT	0.47MF	20%	50V
C2214	1-126-963-11	ELECT	4.7MF	20%	50V
C2215	1-164-346-11	CERAMIC CHIP	1MF		16V
C2216	1-126-963-11	ELECT	4.7MF	20%	50V
C2217	1-124-903-11	ELECT	1MF	20%	50V
C2218	1-126-963-11	ELECT	4.7MF	20%	50V
C2220	1-124-903-11	ELECT	1MF	20%	50V
C2221	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C2222	1-126-933-11	ELECT	100MF	20%	16V
C2223	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C2224	1-104-665-11	ELECT	100MF	20%	16V
C2227	1-163-129-00	CERAMIC CHIP	330pF	5%	50V
C2228	1-124-902-00	ELECT	0.47MF	20%	50V
C2229	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C2230	1-163-989-11	CERAMIC CHIP	0.033MF	10%	25V
C2231	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C2232	1-164-222-11	CERAMIC CHIP	0.22MF		25V
C2233	1-164-222-11	CERAMIC CHIP	0.22MF		25V
C2234	1-124-903-11	ELECT	1MF	20%	50V
C2235	1-124-903-11	ELECT	1MF	20%	50V
C2236	1-163-129-00	CERAMIC CHIP	330pF	5%	50V
C2237	1-163-001-11	CERAMIC CHIP	220pF	10%	50V
C2238	1-124-903-11	ELECT	1MF	20%	50V
		<CONNECTOR>			
CN2201	* 1-770-748-11	CONNECTOR, BOARD TO BOARD 12P			
		<IC>			
IC2201	8-752-058-68	IC CXA1315M			
IC2202	8-759-009-06	IC MC14052BF			
IC2203	8-759-100-96	IC uPC4558G2			

S

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The componants identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION		REMARK
IC2204	8-759-100-96	IC uPC4558G2		
IC2205	8-759-100-96	IC uPC4558G2		
IC2206	8-759-100-96	IC uPC4558G2		
IC2207	8-759-100-96	IC uPC4558G2		
IC2208	8-759-253-06	IC XR1071CP		
IC2211	8-759-009-06	IC MC14052BF		
		<CHIP CONDUCTOR>		
JR2200	1-216-295-91	CONDUCTOR, CHIP		
JR2205	1-216-295-91	CONDUCTOR, CHIP		
JR2206	1-216-295-91	CONDUCTOR, CHIP		
JR2207	1-216-295-91	CONDUCTOR, CHIP		
JR2208	1-216-295-91	CONDUCTOR, CHIP		
		<TRANSISTOR>		
Q2205	8-729-216-22	TRANSISTOR 2SA1162-G		
Q2206	8-729-230-49	TRANSISTOR 2SC2712-YG		
		<RESISTOR>		
R2201	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R2202	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R2203	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R2204	1-216-025-91	METAL GLAZE 100	5%	1/10W
R2205	1-216-025-91	METAL GLAZE 100	5%	1/10W
R2206	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R2207	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R2208	1-216-061-00	METAL GLAZE 3.3K	5%	1/10W
R2211	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R2212	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R2213	1-216-101-00	METAL GLAZE 150K	5%	1/10W
R2214	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R2215	1-216-097-91	METAL GLAZE 100K	5%	1/10W
R2216	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R2217	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R2218	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R2219	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R2222	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R2223	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R2224	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R2225	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R2226	1-216-295-91	CONDUCTOR, CHIP		
R2227	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R2228	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R2230	1-216-075-00	METAL GLAZE 12K	5%	1/10W
R2231	1-216-099-00	METAL GLAZE 120K	5%	1/10W
R2232	1-216-097-91	METAL GLAZE 100K	5%	1/10W
R2233	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R2234	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R2235	1-216-097-91	METAL GLAZE 100K	5%	1/10W
R2236	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R2237	1-216-053-00	METAL GLAZE 1.5K	5%	1/10W
R2238	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R2239	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R2240	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R2241	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R2242	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R2243	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R2244	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R2245	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R2246	1-216-079-00	METAL GLAZE 18K	5%	1/10W
R2247	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R2248	1-216-079-00	METAL GLAZE 18K	5%	1/10W
R2249	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R2250	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R2251	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R2252	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R2253	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R2254	1-216-063-91	METAL GLAZE 3.9K	5%	1/10W
R2255	1-216-097-91	METAL GLAZE 100K	5%	1/10W
R2256	1-216-097-91	METAL GLAZE 100K	5%	1/10W
R2257	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R2258	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R2259	1-216-099-00	METAL GLAZE 120K	5%	1/10W
R2260	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R2261	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R2262	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R2263	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R2264	1-216-083-00	METAL GLAZE 27K	5%	1/10W
R2265	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R2266	1-216-295-91	CONDUCTOR, CHIP		
R2267	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R2268	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R2269	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R2270	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R2271	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R2272	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R2274	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R2277	1-216-097-91	METAL GLAZE 100K	5%	1/10W
R2288	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R2298	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R2299	1-216-049-91	METAL GLAZE 1K	5%	1/10W

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MISCELLANEOUS
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	1-251-447-11	DISTRIBUTOR, RF
⚠	1-403-672-12	COIL, DEMAGNETIZATION
	1-452-032-00	MAGNET,DISK ; 10mm ϕ
	1-452-094-00	MAGNET,ROTATABLE DISK ; 15mm ϕ
	1-452-278-22	MAGNET, PURITY
	1-452-278-32	MAGNET, PURITY
⚠	1-452-762-31	NECK ASSEMBLY NA294
	1-505-473-11	SPEAKER (12CM)
	1-505-474-11	SPEAKER (5CM)
*	1-555-110-00	CABLE, P-P
⚠	1-574-062-52	CORD, POWER (WITH CONNECTOR) (EXCEPT E29MH1/E29MN11(GE))
⚠	1-696-401-11	CORD, POWER (WITH CONNECTOR) (E29MN11(GE) ONLY)
⚠	1-769-609-11	CORD, POWER (WITH CONNECTOR) (E29MH1 ONLY)
	1-777-353-11	CABLE, FLAT
	1-900-223-54	LEAD ASSY, FOCUS
⚠	8-451-467-21	DEFLECTION YOKE (Y29GXA2-S)
⚠	8-733-868-05	PICTURE TUBE (M68KZT71X) (E29MF1/E29MH1/E29MH11)
⚠	8-733-869-05	PICTURE TUBE (M68KZT71X) (FOR GE) (E29MF1S/E29MN11)

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Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

REF. NO.	PART NO.	DESCRIPTION	REMARK
		ACCESSORIES AND PACKING MATERIALS	
		**********	
	3-701-910-00	SCREW, SPECIAL (DIA. 3.8X20)	
	4-392-004-11	CLIP	
	1-466-780-11	ADAPTOR, CHANGE	(E29MN11(GE) ONLY)
	1-569-008-11	ADAPTOR, CONVERSION 2P	(E29MN1, E29MF1S(E), E29M11 ONLY)
	3-858-355-11	MANUAL, INSTRUCTION	(E29MF1(E), E29MF1S, E29MH1, E29MH11(E), E29MN11 ONLY)
	3-858-355-21	MANUAL, INSTRUCTION	(E29MF1(ME), E29MH11(ME) ONLY)
	4-392-003-11	BAND, HOLD	
*	4-029-168-01	BAG, PROTECTION	
*	4-055-212-01	INDIVIDUAL CARTON	
*	4-055-213-01	TRAY	
*	4-055-214-01	CUSHION (UPPER) (ASSY)	
*	4-055-215-01	CUSHION (LOWER)(ASSY)	
	4-396-077-01	JOINT	
		REMOTE COMMANDER	
		**********	
	1-473-978-11	REMOTE COMMANDER (RM-871)	
	4-978-977-01	POCKET, COVER (FOR RM-871)	

9-965-601-01

Sony Corporation
Consumer A & V Products Company
TV & Display Products Div.

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SERVICE MANUAL BG-1L CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-E29MF1	RM-871	E	SCC-K60C-A
KV-E29MF1	RM-871	ME	SCC-K57B-A
KV-E29MF1S	RM-871	E	SCC-K60B-A
KV-E29MF1S	RM-871	EM	SCC-K58B-A
KV-E29MH1	RM-871	HK	SCC-K56A-A
KV-E29MH11	RM-871	E	SCC-K60A-A
KV-E29MH11	RM-871	ME	SCC-K57A-A
KV-E29MN11	RM-871	EM	SCC-K58A-A
KV-E29MN11	RM-871	GE	SCC-K52A-A

CORRECTION-3

SUBJECT : CHANGE SELF DIAGNOSIS FUNCTION TABLE

File this supplement with the Service Manual.

☛ : Corrected portion

SECTION 4

SELF DIAGNOSIS FUNCTION (See page 27)

Incrrected

Board name	A Board	A Board	A Board	A Board
Ref. No.	IC003	IC1201	IC104	IC206
Device	NONVOLA-TILE MEMORY	AV SWITCH (CXA1545S)	MAIN Y/C (TDA9145)	SURROUND PROCESSOR (TA8776N)
Flickering Frequency	1	2	3	6

Crrected

Board name	A Board	A Board	A Board	A Board
Ref. No.	IC003	IC1201	IC104	IC206
Device	NONVOLA-TILE MEMORY	AV SWITCH (CXA1855S) ☛	MAIN Y/C (CXA2050S) ☛	SURROUND PROCESSOR (TDA8424) ☛
Flickering Frequency	1	2	3	6

MICROFILM

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Display Company
Quality Engineering Dept.

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